

# SUNIL K. SINGH

Full Stack Engineer | [LinkedIn](#) | [GitHub](#)

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Ashfield NSW 2131

## PROFESSIONAL PROFILE

I am a highly skilled Full Stack Engineer with a proven track record of leading teams and delivering successful, commercially viable digital solutions. With expertise across both frontend and backend development, I have extensive experience in the full development lifecycle, from concept through to deployment.

I specialize in creating engaging, interactive, and custom websites and applications, leveraging cutting-edge technologies, including AI and Machine Learning, to enhance user experience and functionality. My work is always focused on meeting the unique needs of clients, combining creativity, design, and advanced solutions. Dedicated to delivering exceptional results, I consistently ensure projects are completed on time, within budget, and exceed client expectations.

## KEY SKILLS

1	Programming Languages	PHP, JavaScript, HUBL, Python, Go, C++, Rust
2	Content Management System	Drupal, WordPress [VIP, Bedrock], Shopify, HubSpot, Sanity, Strapi, Wagtail CMS, Django CMS, Umbraco CMS
3	Frameworks	Laravel, Django, FastAPI, Node.js
4	ML, DL & Prompt Engineering	TensorFlow, Keras, PyTorch, Scikit-learn, Neural Networks, Computer Vision, NLP, GPT Models, Llama, Deepseek
5	Databases	MySQL, PostgreSQL, Firebase, NoSQL (MongoDB, DynamoDB), SQLite
6	Frontend	HTML, CSS, Tailwind, SASS, LESS, Bootstrap, JavaScript [jQuery, Ajax, Vanilla JS, React, Next.js, Typescript]
7	Operating Systems	Windows /MacOS/Linux
8	Web Server	Apache, Nginx
9	Dependency & Package Managers	Composer, NPM, Yarn, Pip
10	Design & Prototyping Tools	Figma, Adobe XD, Photoshop
11	Strengths	Analytical Thinking, Effective Troubleshooting, Strategic Decision-Making, Attention to Detail
12	Server Management, CI/CD & Deployment	AWS, cPanel, WHM, GitHub Actions, GitLab, CI/CD, Jenkins, Bitbucket Pipelines, Git-Based Deployment, Docker, Kubernetes
13	Search Engine Optimization (SEO)	GA, GSC, GTM Implementation, Site Migration, SEMrush, Ahrefs, Deep Crawl

## EMPLOYMENT

### Senior Web Engineer

G Squared · [www.gsquared.com.au](http://www.gsquared.com.au)

September 2024 – April 2025 / Sydney, NSW (Contract)

As a Senior Web Engineer at G Squared, I led the design and development of scalable digital platforms for high-profile clients including Coca-Cola, Mitsubishi Electric, Western Digital, and the NSW Government. My role spanned full-stack engineering, DevOps, and technical leadership—bridging frontend innovation with backend robustness. I ensured solutions were high-performance, secure, and future-ready, setting new benchmarks across every project.

I also managed hybrid engineering teams across multiple time zones, streamlined delivery pipelines, and provided strategic input on system architecture and long-term technical roadmaps. Whether operating in agile sprints or waterfall workflows, I delivered clean, reliable code—and clear direction.

#### Key Highlights:

- **Architect of Scalable Systems**  
Designed and implemented robust, high-performance web applications using JavaScript (React, Next.js, TypeScript), Python (FastAPI, Django), Go, PHP, and Node.js—optimizing for speed, maintainability, and scalability.
- **End-to-End Project Ownership**  
Owned full project lifecycles from technical scoping and architecture to deployment and monitoring. Delivered complex builds on tight timelines using agile and hybrid methodologies.
- **Trusted Technical Advisor**  
Partnered with enterprise clients like Nuix, Coca-Cola, and Western Digital to translate business objectives into scalable, secure digital platforms—often guiding long-term tech strategy and decision-making.
- **DevOps Champion**  
Spearheaded DevOps practices using Docker, Kubernetes, GitHub Actions, Jenkins, and AWS—reducing deployment times, improving test coverage, and boosting system reliability.
- **AI/ML Integration**  
Integrated GPT-based AI features and experimentation workflows into client-facing solutions, enabling intelligent automation, predictive user experiences, and next-gen product enhancements.
- **Leadership Across Borders**  
Led on-shore and off-shore development teams, ensuring code quality, knowledge sharing, and delivery alignment across distributed teams.
- **Cross-Functional Collaboration**  
Worked closely with product owners, designers, and fellow engineers to turn complex requirements into performant, user-centric applications.

#### Projects:

- **SaaS Platform for Coca-Cola**  
Developed a high-performance, multi-tenant SaaS solution tailored to manage and track marketing campaigns across global teams. Led the integration of APIs and custom dashboards, improving operational efficiency by 30%.  
**Tech Stack:** React, Next.js, DRF, TypeScript, AWS (Lambda, S3), PostgreSQL
- **Customer Portal for Mitsubishi Electric**  
Designed a secure, responsive customer portal that allowed users to view, manage, and customize service requests. Built using React and Next.js for a seamless experience across devices.  
**Tech Stack:** React, Next.js, Node.js, MongoDB, Docker, AWS (EC2, RDS)
- **Internal Dashboard for Western Digital**  
Created a real-time data visualization dashboard for internal stakeholders, providing insights into product performance and operational data, improving decision-making for key business leaders.  
**Tech Stack:** React, TypeScript, FastAPI, PostgreSQL, Docker, AWS (S3, Lambda)

*“This role sharpened my ability to merge strategic thinking with execution—delivering software that not only works, but endures.”*

## Full Stack Developer

The Being Group · [www.thebeinggroup.com](http://www.thebeinggroup.com)

Nov 2022 – Sep 2024 · Sydney, NSW (Full-time)

As a Full Stack Developer at The Being Group, I delivered robust, high-performance web applications for clients in government, enterprise, and nonprofit sectors. My work involved end-to-end development, from building scalable backends to creating seamless frontend user experiences. I focused on delivering digital solutions that were not only functional but also scalable, secure, and optimized for performance.

I played an integral role in developing SaaS applications, internal tools, and highly performant systems, using cutting-edge technologies. I took ownership of everything from architecture and implementation to deployment, while collaborating with cross-functional teams to meet business objectives.

### *What I Brought to the Table:*

- **End-to-End Engineering Excellence**  
Delivered full-stack web applications using React, Next.js, Python, PHP, Go, and fast APIs, ensuring high availability, performance, and security across all layers.
- **Deployment without Drama**  
Automated deployments using Docker, Bitbucket Pipelines, and GitHub Actions, and optimized application environments across AWS, ensuring smooth and efficient workflows.
- **Performance-Obsessed**  
Improved Core Web Vitals, optimized APIs for speed and scalability, and focused on SEO best practices, ensuring solutions delivered superior user experiences and business outcomes.
- **Clients That Count**  
Delivered custom digital solutions for AUSTRAC, Clean Up Australia, Hitachi, City of Parramatta, TAFE NSW, and the Fair Work Commission.

### *Projects:*

- **SaaS Platform for AUSTRAC**  
Developed a secure and scalable SaaS solution for AUSTRAC, providing real-time compliance monitoring and reporting. Designed the platform's microservices architecture, ensuring it was ready for future expansion.  
**Tech Stack:** React, Next.js, Django, PostgreSQL, Docker, AWS (EC2, S3, RDS)
- **Internal Platform for Clean Up Australia**  
Built an internal platform to manage volunteer activities, donations, and community events. The platform featured real-time updates, secure authentication, and performance-optimized interfaces for large-scale use.  
**Tech Stack:** React, Next.js, Node.js, PostgreSQL, AWS (Lambda, RDS, S3)
- **Analytics Dashboard for Hitachi**  
Designed and developed an internal analytics dashboard for Hitachi, integrating data visualization tools and building scalable backend services to power real-time reporting features.  
**Tech Stack:** React, Next.js, FastAPI, PostgreSQL, Docker, AWS (EC2, RDS)
- **Employee Resource Portal for TAFE NSW**  
Led the development of a resource portal providing employees with easy access to training materials, HR documents, and performance tracking. Integrated analytics and enhanced user experience with intelligent search capabilities.  
**Tech Stack:** React, Laravel, MySQL, AWS (RDS, S3), Docker
- **E-Learning Model for Fair Work Commission**  
Developed an e-learning model for the Fair Work Commission, utilizing SCORM-compliant courses and interactive modules created with Adobe Captivate. This solution included real-time tracking, progress assessments, and certification features.  
**Tech Stack:** React, Node.js, SCORM, Adobe Captivate, PostgreSQL, AWS (EC2, RDS, S3)

# Full Stack Developer

Bang Australia · [www.bang.com.au](http://www.bang.com.au)

September 2021 – November 2022 / North Sydney, NSW (Full-time)

As a Full Stack Developer at Bang Australia, I designed and developed high-performing, scalable web applications for a diverse range of clients. My role spanned across frontend and backend development, where I worked extensively with **React**, **Next.js**, **Python**, **Go**, and **Node.js**. I created dynamic user experiences, optimized backend systems for scalability, and built robust APIs, ensuring every application was fast, secure, and future-ready.

I collaborated with cross-functional teams, guided deployment workflows, and leveraged cutting-edge tools to deliver reliable, high-quality solutions. My experience with containerization, CI/CD, and cloud infrastructure ensured smooth, automated deployments across multiple platforms.

## Key Highlights:

- **Building Seamless User Experiences**  
Led the frontend development of dynamic, user-centric applications using **React**, **Next.js**, and **TypeScript**, delivering responsive and visually appealing experiences across all devices.
- **Optimizing Backend Performance**  
Developed high-performance backend systems using **FastAPI**, **Django**, **Node.js**, and **Go**, ensuring scalability and fast data processing for demanding applications.
- **Streamlined Deployment & Operations**  
Spearheaded efficient deployment pipelines with **Docker**, **AWS**, and **GitHub Actions**, automating the development-to-production flow, reducing downtime, and accelerating release cycles.
- **Client-Focused, Scalable Solutions**  
Delivered tailored solutions for top-tier clients, including **TPG Telecom** and **Crestron Electronics**, addressing complex business needs and providing real-time data processing, analytics, and performance dashboards.
- **High-Impact Projects**  
Played a central role in developing SaaS platforms, real-time communication tools, and project management systems, leveraging cutting-edge technologies to provide seamless, efficient experiences.

## Projects:

- **Internal SaaS Platform for NextGen Group**  
Led the development of a real-time SaaS platform with optimized backend APIs, integrating with AWS services for scalability.  
**Tech Stack:** React, Node.js, Golang, AWS (EC2, RDS)
- **Real-Time Communication Tool for TPG Telecom**  
Developed a real-time tool for internal communication, leveraging **FastAPI** and **AWS** to provide reliable data processing and notifications.  
**Tech Stack:** React, Golang, AWS
- **Analytics Dashboard for Crestron Electronics**  
Created a high-performance dashboard for real-time analytics, optimizing data visualization and backend performance.  
**Tech Stack:** React, FastAPI, AWS (RDS, S3), PostgreSQL
- **Project Management Tool for AIPM**  
Developed a custom project management system with real-time tracking, designed to streamline collaboration across teams.  
**Tech Stack:** React, Node.js, FastAPI, PostgreSQL, AWS (EC2, S3)

## Developer Programmer

Spicy Broccoli Media • [www.spicybroccoli.com](http://www.spicybroccoli.com)

October 2019 – September 2021 | Manly Vale, Sydney (Full-time)

As a Full Stack Developer at Spicy Broccoli Media, I was responsible for building responsive, interactive, and high-performance web applications. I utilized **React.js**, **Next.js**, **Django**, **Laravel**, **FastAPI**, and **Python** to create seamless, dynamic user experiences. My role included everything from building scalable backend systems to creating pixel-perfect frontends, ensuring consistency, performance, and scalability across the entire development lifecycle.

I worked closely with clients to understand their needs and deliver custom solutions, leveraging **AJAX** and **JSON** for dynamic content and real-time updates. I also specialized in backend optimization and API development, ensuring robust, secure, and efficient systems.

### Key Highlights:

- **Responsive, High-Performance Frontend Development**  
Designed and developed interactive, responsive applications using **React.js** and **Next.js**, ensuring optimal user experience across devices. Utilized **Tailwind CSS** and **SASS** to create scalable, maintainable design systems.
- **Scalable Backend Development**  
Built efficient, scalable backend systems using **Django**, **FastAPI**, and **Laravel**. Developed RESTful APIs, integrated third-party services, and optimized backend performance to handle high traffic and data processing.
- **End-to-End Project Ownership**  
Led the entire project lifecycle from ideation, design, and architecture to deployment. Delivered full-stack web solutions, ensuring smooth integration between frontend and backend, using best practices in code quality, security, and performance.
- **API Integration & Automation**  
Integrated various third-party APIs and created custom solutions for seamless data exchange between internal systems and external services. Automated workflows and deployments using **GitHub Actions**, **GitLab**, **Bitbucket Pipelines**, and **Docker**.
- **CI/CD and Cloud Deployment**  
Streamlined deployment pipelines using **GitHub Actions**, **Docker**, and **AWS**, ensuring reliable and fast code releases. Managed hosting and server infrastructure with AWS, ensuring maximum uptime and performance.

### Projects:

- **Internal Web Platform for Mode Plastic Surgery**  
Led the development of a custom web application for a medical practice, optimizing backend APIs for patient data management and user-friendly interfaces for appointment scheduling.  
**Tech Stack:** React, Django, PostgreSQL, AWS
- **Custom Dashboard for Pearman Financial**  
Developed a real-time dashboard that visualized financial data and generated reports based on dynamic data sources. Implemented security features for sensitive financial information.  
**Tech Stack:** Next.js, FastAPI, PostgreSQL, Docker
- **E-commerce Platform for Barbuto Restaurant**  
Designed and implemented an e-commerce platform for online ordering, integrating with payment systems and backend inventory management.  
**Tech Stack:** React, Laravel, MySQL, AWS
- **Client Portal for School Of Fine Art**  
Developed a secure client portal for managing student information, scheduling classes, and tracking progress, using modern backend frameworks to ensure scalability.  
**Tech Stack:** React, FastAPI, MySQL, AWS (EC2, S3)

## Full Stack Web Developer

Maple Leap Groups · [www.mapleleapgroups.com](http://www.mapleleapgroups.com)

July 2012 – July 2019 | Full-time

As a Full Stack Developer at Maple Leap Groups, I engineered interactive, high-performance web applications by blending robust backend systems with modern, responsive frontends. I worked extensively with **React.js**, **JavaScript**, **PHP**, and **Python**, delivering tailored solutions across education, immigration, and consulting projects. My focus was on clean code, reusable components, and scalable architecture.

I took ownership of full project lifecycles—from planning and development to deployment and optimization. My work involved dynamic user interfaces, performant APIs, and seamless third-party integrations. I also played a critical role in improving development workflows using DevOps best practices.

### *Key Highlights:*

- **Interactive UI Development**  
Built dynamic and responsive interfaces using **React.js**, **JavaScript**, **HTML5**, and **CSS3**, supported by **Tailwind**, **Bootstrap**, **SASS**, and **LESS**. Leveraged **AJAX** and **Gulp** for real-time updates and frontend automation.
- **Backend Architecture & API Design**  
Developed scalable server-side applications using **PHP**, **Python**, and **C++**, with RESTful API integrations and custom backend logic. Ensured performance and security through optimized query handling and secure data workflows.
- **DevOps & Deployment Automation**  
Deployed and maintained applications using **Docker**, **AWS**, **GitHub Actions**, **GitLab CI**, **Bitbucket Pipelines**, **cPanel**, and **WHM**. Automated CI/CD pipelines to streamline testing and delivery, reducing manual bottlenecks and improving release speed.
- **Cross-Functional Collaboration**  
Worked closely with designers, stakeholders, and developers to translate client requirements into working products. Maintained high code quality, contributed to technical documentation, and guided junior team members.
- **System Upgrades & Migrations**  
Supported system modernization by assisting in the migration of legacy platforms, writing upgrade strategies, and minimizing downtime through careful planning and automation.

### *Projects:*

- **Visa Management Platform**  
Developed an internal portal for managing client case files, document tracking, and automated workflows for visa submissions.  
**Tech Stack:** PHP, JavaScript, MySQL, Gulp, GitHub Actions
- **Learning Dashboard for International Students**  
Designed and developed a student-facing platform to manage resources, applications, and communication.  
**Tech Stack:** React, Python (Flask), Tailwind CSS, Docker, AWS
- **Immigration Application Tracker**  
Built a web-based application tracking system for clients to monitor status, receive updates, and upload documentation securely.  
**Tech Stack:** React.js, FastAPI, PostgreSQL, Docker
- **Microservice-Based Notification System**  
Built a Python-based microservice to manage SMS and email notifications via third-party APIs (Twilio, SendGrid), supporting multiple departments.  
**Tech Stack:** Python, FastAPI, RabbitMQ, AWS Lambda
- **Performance Monitoring Tool**  
Created an internal tool to benchmark site performance and uptime, sending alerts and logs to Slack and email.  
**Tech Stack:** Node.js, Express, AWS CloudWatch, Slack API

## ADDITIONAL INFORMATION

1	Residence Status	Australian Permanent Resident
2	Languages	English, Nepali, Hindi

## EDUCATION

Computer Engineering JanJyoti Technical College

## PERSONAL INTERESTS

Traveling | Reading Books | Cricket Player | Machine Learning | Cycling

## REFERENCE

Available on request