Rodolfo Peinado Guerrero

Senior Full Stack Engineer | Web Technologies

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SUMMARY

Experienced and versatile Senior Full Stack Engineer with over 9 years of expertise in building high-performance, scalable, and user-centric web applications across diverse industries. Proficient in both front-end and back-end development using modern technologies such as React, Vue, TypeScript, JavaScript, HTML, CSS, and backend stacks including Node.js, Express.js, MongoDB, and MySQL. Skilled in building state-managed, component-driven interfaces with Redux, MaterialUI and TailwindCSS, and developing robust APIs using RESTful and GraphQL services. Demonstrated success in leading migration projects, architecting modular and maintainable systems, and implementing efficient CI/CD pipelines. Strong foundation in Docker and Git, with hands-on experience in Jasmine/Karma testing for frontend reliability. Adept at collaborating in Agile environments, mentoring teams, and delivering full-stack solutions that enhance system performance, scalability, and user engagement.

SKILLS

React	Node.js	JavaScript	HTML	Git
Next	Express.js	TypeScript	CSS	Docker
Redux	MySQL	PHP	TailwindCSS	CI/CD
Vue	PostgreSQL	GraphQL	MaterialUI	Restful API

EXPERIENCE

Senior Full Stack Engineer

Flatworld Solutions

🗓 05/2020 - 04/2025   ⚲ Princeton, United State

- Developed a new website for LMS using Next.js, React, TypeScript, MaterialUI, and TailwindCSS.
- Automated testing and E2E testing suites using Selenium, Cypress, and Jest.
- Built RESTful and GraphQL APIs for enterprise-level applications, enabling seamless communication across services.
- Built and maintained RESTful and GraphQL APIs with Node.js and Express.js, enabling efficient and secure communication across microservices.
- Migrated legacy backend services to Node.js, improving scalability, modularity, and performance in line with modern development standards.
- Integrated MongoDB and MySQL for dynamic and relational data management across different application modules.

Full Stack Developer

DevCrew I/O

📅 04/2019 - 02/2020   📍 Singapore, Singapore

- Developed full-stack features using ReactJS, Typescript, Node.js, and Express.js for responsive, mobile-first, and web-based applications.
- Built and maintained RESTful APIs and deployed backend services with serverless architecture on GCP, ensuring scalability and low-latency response times.
- Implemented secure authentication and authorization using JWT, OAuth providers, and custom middleware in Express.js.
- Enhanced UX/UI in collaboration with designers using Tailwind CSS and Material UI.

FullStack Developer

Appnovation Technologies

📅 04/2016 - 02/2019   📍 Hong Kong, Hong Kong

- Delivered robust backend systems using Node.js and Express.js across healthcare and finance sectors, ensuring security, scalability, and compliance.
- Designed and implemented a comprehensive management system for an online music service using Node.js, building scalable RESTful APIs and real-time data processing modules.
- Developed backend services with Node.js and custom frameworks to support an admin UI and RESTful API for the streaming platform.
- Created the admin UI front-end using React and TailwindCSS, delivering an intuitive and responsive user experience.
- Built a security-focused web application for Deloitte using React, AWS Lambda, and Node.js, implementing serverless functions for efficient, event-driven workflows.

Frontend Developer

WestRoadSouth Limited

📅 02/2014 - 03/2016   📍 Hong Kong, Hong Kong SAR

- Assisted in frontend development using HTML, CSS, and JavaScript, contributing to ecommerce and CMS projects.
- Ensured responsive and pixel perfect design and cross-browser compatibility across all devices.
- Collaborated on debugging and resolving issues under mentorship from senior engineers.
- Applied best practices in code readability, version control, and component reusability.
- Participated in client meetings to gather requirements and refine UI/UX interactions.

EDUCATION

Bachelor of Computer Science

Jiangnan University

📅 04/2009 - 12/2013   📍 Yuxi, China