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 proven expertise in building high-performance, scalable, and user-centric web applications across diverse industries. Adept in both front-end and back-end development using modern technologies such as React, Vue, Angular, NodeJS, Python, Django, Golang, and cutting-edge AI/ML tools including LLM, RAG, and Langchain. Demonstrated ability to design robust and maintainable architectures, lead complex migration projects from monolithic to microservices, and deliver innovative AI-driven products that streamline deployment cycles. Strong background in cloud infrastructure management (AWS, Azure, GCP), DevOps practices, CI/CD automation, and database optimization with SQL and NoSQL solutions. Known for mentoring development teams, fostering collaborative environments, and consistently driving projects to successful completion within fast-paced Agile settings. Passionate about leveraging emerging technologies to create impactful solutions and improve overall engineering efficiency.

# SKILLS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **React** | **Python** | **JavaScript** | **HTML** | **Git** |
| **Next** | **Django** | **TypeScript** | **CSS** | **Docker** |
| **Vue** | **Golang** | **PHP** | **TailwindCSS** | **CI/CD** |
| **Nuxt** | **.Net** | **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 TypeScript, Next.js, React, 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.
* Migrated an existing Python project to Go to improve performance, scalability, and maintainability.
* Developed scalable and efficient microservices using Go (Golang) to enhance system modularity and performance.
* Delivered several AI products using LLM, RAG, Langchain, Pinecone, NLP, and DeepAI, streamlining deployment cycles.
* Built and deployed Docker/Kubernetes solutions for container orchestration, enhancing scalability and availability.

## Full Stack Developer

### DevCrew I/O

 04/2019 - 02/2020  Singapore, Singapore

* Developed full stack features using React, Express, and Firebase for mobile-first and web applications.
* Built and maintained RESTful APIs and serverless functions deployed on GCP.
* Implemented authentication and authorization layers using Firebase Auth and OAuth providers.
* Enhanced UX/UI in collaboration with designers using Tailwind CSS and Material UI.
* Wrote unit and integration tests with Jest to ensure reliability and maintainability.

## FullStack Developer

### Appnovation Technologies

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

* Delivered robust backend systems with Python, Django and Golang across healthcare and finance sector.
* Designed and implemented a management system for an online music service using Python.
* Built the back-end with Python and a customized framework to provide the admin UI and a RESTful API for the streaming service.
* Developed the front-end for the admin UI using React and TailwindCSS.
* Developed a web app in the security field for Deloitte. The main technologies used include React, AWS Lambda, and Python.

## 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