Minder N. Rodriguez

Principal Full Stack Engineer

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Innovative and detail-oriented Full Stack Engineer with 14+ years of experience designing, building, and optimizing scalable web and mobile applications. Proven success leading cross-functional teams, modernizing tech stacks, and reducing system latency by up to 60%. Expert in full software development lifecycle, cloud infrastructure, API design, and DevOps automation. Highly experienced with global remote teams and fast-paced product environments.

Work Experience

Principal Full Stack Engineer   April 2020 - Present

Sourcescrub | San Francisco, CA (Remote)

- Led end-to-end development of enterprise researcher analytics platform with Angular and Node.js, serving 10,000+ monthly active users and boosting performance by 30% through optimized component architecture and efficient API design.
- Designed and integrated comprehensive RESTful APIs with advanced caching strategies, reducing average response times from 800ms to 300ms and optimizing backend services to support complex data workflows efficiently.
- Implemented multi-layered security measures across API and UI layers, including authentication protocols, data encryption, and vulnerability scanning, reducing security exposure by 40% and ensuring compliance with industry standards.
- Built comprehensive testing infrastructure including unit, integration, and E2E test suites using Jest and Cypress, cutting post-release critical bugs by 20% and establishing quality gates for continuous deployment.
- Spearheaded DevOps automation and CI/CD pipeline optimization using Docker and AWS services, reducing deployment time from 45 minutes to 12 minutes and enabling daily release cycles.
- Mentored and guided 6+ engineers across frontend, backend, and DevOps specializations, establishing coding standards and best practices that reduced team onboarding time by 40% and improved overall development velocity.

Senior Full Stack Engineer   Jan 2018 – Mar 2020

Makro PRO | Bangkok, Thailand (Remote)

- Architected and developed comprehensive B2B e-commerce platform from ground up using React Native for mobile frontend and NestJS for scalable backend services, supporting multi-country operations across Southeast Asia.
- Designed and implemented sophisticated GraphQL API architecture with optimized query resolution and caching layers, improving data flow efficiency by 35% and reducing network overhead for mobile clients.
- Implemented complex server-side business logic including inventory management, authentication systems, and automated workflows using Node.js and PostgreSQL, handling 50,000+ daily transactions with real-time stock validation.
- Collaborated extensively on AWS cloud deployments utilizing EC2, RDS, and S3 services with Dockerized microservices architecture, ensuring scalability and reliability for international operations.

- Developed comprehensive automated testing frameworks and performance monitoring systems, implementing custom metrics and alerting for proactive issue detection and resolution.
- Coordinated closely with product managers, designers, and stakeholders across multiple time zones to align technical implementation with business requirements and user experience goals.

Full Stack Engineer   May 2014 – Dec 2017

SimCorner Pty Ltd | Victoria, Australia (Remote)

- Developed comprehensive admin management system using Next.js and TypeScript frontend with Node.js and PostgreSQL backend, revolutionizing internal operations for global SIM card inventory and customer management.
- Engineered cloud-native serverless architecture integrating AWS S3 for secure document storage and Lambda functions for automated backend operations, reducing infrastructure costs by 40% while improving system reliability.
- Implemented sophisticated payment workflows using Stripe API integration supporting multiple currencies and international payment methods, with comprehensive error handling and transaction monitoring.
- Optimized database performance using Sequelize and Kysely ORMs, implementing connection pooling and query optimization that reduced average database response times by 50% and improved overall system efficiency.
- Led complete modernization of legacy systems, migrating from monolithic architecture to microservices with feature flags and parallel deployment strategies to ensure zero-downtime transitions.
- Collaborated extensively with mobile development teams and DevOps engineers to ensure seamless integration and deployment of full-stack solutions across development, staging, and production environments.

Freelance Full Stack Developer   2013 – 2014

Fiverr | Remote

- Delivered complete full-stack solutions for diverse international clients across healthcare, education, and e-commerce sectors, maintaining 5-star client satisfaction ratings through high-quality code and polished user interfaces.
- Developed HIPAA-compliant mental health platform featuring secure appointment booking, encrypted messaging system, and patient data management using React and secure authentication with comprehensive privacy controls.
- Built comprehensive e-learning content management system for language tutors with multimedia support, progress tracking, student management, and role-based access control using Vue.js, Express.js, and MongoDB.
- Created curated remote job board platform with advanced filtering capabilities, automated email alert systems, real-time notifications, and comprehensive analytics dashboard for tracking user engagement and listing performance.
- Designed and implemented custom REST APIs with comprehensive documentation, security middleware, and automated testing suites, ensuring reliability and maintainability for all client projects.
- Collaborated directly with clients through iterative feedback cycles, providing technical consultation and translating business requirements into efficient, scalable technical solutions.

Frontend Developer Intern   Jun 2011 – May 2013

IT Block Pte. Ltd. | Singapore (Remote)

- Supported comprehensive frontend development for event management platforms, implementing responsive form components, interactive UI elements, and dynamic user workflows using jQuery, Bootstrap, and vanilla JavaScript.
- Collaborated on backend integration projects using PHP and MySQL, gaining valuable experience in full-stack development workflows, database design, and server-side programming fundamentals.
- Led modernization of legacy event registration dashboard, improving mobile responsiveness, optimizing signup conversion flows, and enhancing overall user experience through systematic UX improvements.
- Contributed to debugging and optimization initiatives, working under senior mentorship to improve code quality, implement best practices, and establish maintainable coding standards across the development team.
- Participated in code review processes and learned industry-standard development methodologies, version control practices, and collaborative software development workflows.

Skills

Languages: JavaScript (ES6+), TypeScript, Python, PHP, Go, Java, C/C++, HTML5, CSS3

Frameworks & Libraries: React, Angular, Vue.js, React Native, NestJS, Node.js, Next.js, Django, Flask, Laravel

Databases: PostgreSQL, MySQL, MongoDB, SQLite, SQL Server, Redis

DevOps & Tools: AWS (Lambda, S3, EC2, RDS, API Gateway), Docker, Kubernetes, GCP, Vercel, Heroku

Testing: Jest, Cypress, Mocha, Selenium, E2E Testing, Unit Testing

APIs: REST, GraphQL, Axios, Redux Toolkit, Zustand

Project Tools: Git, GitHub, GitLab, Bitbucket, Jira, Trello, Notion, Slack, Zoom

Soft Skills: Team Leadership, Technical Architecture, Agile Delivery, Cross-Functional Collaboration, System Design

Education

University of San Carlos   Jun 2007 – Mar 2011
Bachelor of Science Computer Science