

Fernando Amezcua Alcantar

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PROFESSIONAL SUMMARY

Senior Software Engineer with 10 years of experience building and scaling production web, mobile, and backend systems for global products. Specialized in React Native, TypeScript, Node.js, and Next.js, with strong experience across mobile, full-stack development, cloud infrastructure, CI/CD, observability, and developer productivity.

Experienced in AI-assisted software engineering, using Large Language Models (LLMs) and AI coding agents to accelerate codebase exploration, problem-solving, implementation, debugging, testing, and documentation. Proven track record of improving reliability, performance, release processes, and engineering workflows across production systems.

Remote-first engineer experienced in collaborating with distributed, cross-functional teams and taking complex technical problems from requirements and investigation through implementation, testing, and production delivery.

TECHNICAL SKILLS

AI & LLM Engineering: Large Language Models (LLMs), Generative AI, AI-Assisted Software Development, AI Coding Agents, AI Engineering Workflows, Prompt Engineering, Context Engineering

AI Tools: Cursor, GitHub Copilot, ChatGPT, Claude, Perplexity, OpenAI API

Core: TypeScript, JavaScript, React Native, React, Next.js, Node.js

Backend: REST APIs, GraphQL, Microservices, Express.js, Sequelize, Firebase, Python

Mobile: React Native CLI, Expo, EAS, iOS, Android, Swift, Kotlin, Native Modules, GPS, Mapbox, Audio Processing

Cloud & DevOps: AWS, Lambda, API Gateway, S3, DynamoDB, RDS, GCP, GitHub Actions, CircleCI, Bitrise, GitLab, Bitbucket

Databases: PostgreSQL, MySQL, SQL Server, MongoDB, RealmDB

Testing & Quality: Jest, React Testing Library, Detox, Unit Testing, Integration Testing, End-to-End Testing

Observability & Analytics: Sentry, Firebase Crashlytics, Firebase Analytics, Datadog, Amplitude

Engineering: Software Architecture, CI/CD, Automation, Developer Productivity, Performance Optimization, Code Reviews, Technical Leadership, Mentorship, Agile, Scrum, Kanban

PROFESSIONAL EXPERIENCE

Limestone Digital | Senior Mobile Software Engineer | OneRail | Remote

Sep 2025 - Present

- Engineer across OneRail's last-mile stack, contributing to driver mobile applications, backend services, and OmniPoint across mobile, web, and backend systems.
- Leverage Large Language Models (LLMs) and AI coding agents to explore complex codebases, trace dependencies, understand architecture, investigate production issues, and identify implementation paths.
- Design AI-assisted engineering workflows for requirements, implementation, debugging, testing, documentation, and code review using structured context.
- Accelerate feature development with AI by breaking complex requirements into technical tasks, exploring solutions, and drafting implementations while maintaining ownership of engineering decisions.
- Build and maintain React Native applications across Android and iOS, including routing, stop lifecycle, background location, permissions, and native SDK integrations.
- Develop backend and platform services supporting authentication, organization settings, delivery data, and business logic across mobile and web.
- Build and maintain PostgreSQL databases, designing tables, relationships, queries, indexes, and data models to support backend business workflows.
- Investigate fleet and operational issues from logs, metrics, and stakeholder questions through root cause analysis, implementation, testing, and production delivery.
- Own Android and iOS build and release workflows, troubleshooting issues and keeping applications production-ready.

Encora Inc. | Senior Mobile Software Engineer | Remote

Nov 2023 - Sep 2025

- Co-led development of VoCap by Auto-Tune, a React Native mobile application integrating native iOS modules and advanced audio processing.
- Helped launch and scale the application to 20K+ downloads within the first 5 months.
- Integrated AI-powered audio technologies, including AudioShake and audio separation workflows, to process and isolate vocal and instrumental tracks.
- Developed custom native iOS modules and audio processing pipelines for high-fidelity recording and real-time audio experiences.

- Built audio and video mixing capabilities and designed AUv3 plugin support for integration with DAWs such as GarageBand, Logic Pro, and FL Studio.
- Leveraged LLMs and AI-assisted development workflows to understand complex codebases, investigate technical issues, accelerate implementation, refactoring, and technical documentation.
- Co-led a major product redesign using user behavior and analytics to improve UX and engagement.
- Improved internal development tooling and release workflows, enabling 10-15 day release cycles.
- Designed and implemented A/B testing architecture for data-driven product optimization.

Luxoft (by DXC) | Mobile Software Engineer | Remote

Dec 2021 - Nov 2023

- Developed React Native and Node.js solutions for the GHX digital agriculture platform, supporting 1K+ active users.
- Built interactive Mapbox-based modules for field visualization, navigation, and management workflows.
- Contributed to a micro frontend architecture by developing reusable internal libraries across multiple product modules.
- Helped reduce application crash rate from approximately 10% to below 3% through improved error handling, testing, debugging, and performance optimization.
- Improved API response times by approximately 30% through backend and application performance optimization.
- Leveraged GitHub Copilot and ChatGPT to explore the codebase, accelerate implementation, debug issues, refactor code, and improve technical problem-solving.
- Contributed to R&D for AI-powered product features, analytics, payments, and new mobile capabilities.
- Implemented Redux Toolkit and reusable frontend patterns to standardize state management and improve maintainability.
- Helped design and execute A/B tests to validate user-facing features and support data-driven product decisions.

MagmaLabs | Mobile Software Engineer | Remote

Jan 2020 - Nov 2021

- Led frontend architecture and development for Beanstack, a React and Node.js application with 500K+ downloads.
- Developed Quik for GoPro, a Next.js and TypeScript web platform integrating OAuth 2.0 and Adyen, supporting 100K+ monthly users.
- Contributed Ruby on Rails code to MagmaLabs' official website, integrating backend functionality into the existing web platform.

- Completed a Ruby on Rails Developer certification program, gaining hands-on experience developing Rails applications and backend functionality.
- Designed and optimized CI/CD pipelines and improved SSR performance for production applications.
- Deployed and monitored applications using AWS and Datadog.
- Mentored junior engineers and contributed to frontend architecture, performance, and code quality initiatives.

Woodward Logistics | Mobile Software Engineer | Remote

Oct 2017 - Jan 2020

- Co-led mobile development using React Native and web application development using React, Next.js, and Node.js.
- Built logistics management systems backed by SQL Server and MySQL, using Redux for state management.
- Developed REST APIs and backend services using Node.js and Flask.
- Developed and published two React Native applications to the Google Play Store.
- Integrated AWS and GCP services to support backend scalability and optimize infrastructure costs.
- Maintained Linux-based VPS environments supporting production applications.

D80 | Junior Software Engineer | Remote

Dec 2016 - Nov 2017

- Developed modular web interfaces using PHP, JavaScript, and Dojo.
- Built and integrated RESTful APIs for web applications.
- Collaborated on software testing, documentation, and application maintenance.
- Worked with stakeholders to define requirements and deliver reliable web solutions.

EDUCATION

Information Technology Engineering

Universidad Tecnológica de Manzanillo
2017

BrightCoders - Course Ruby on Rails Developer - 01 Feb 2019

English Proficiency Certificate B2 - September 2026