TRAVIS RAMOS

Senior Software Engineer

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Full-stack software engineer with 8+ years designing, building, and deploying production applications end to end: React and Next.js frontends, Python and Node.js backend services, event-driven microservices, and cloud-native deployments on Azure and AWS. Experience spans enterprise SaaS, fintech, healthcare, property management, e-commerce, and analytics platforms, including decomposing legacy monoliths into microservices and integrating LLM and AI capabilities into production workflows. Owns architecture through delivery, mentors engineers, and translates business requirements from non-technical stakeholders into maintainable systems.

TECHNICAL SKILLS

Frontend: React, Next.js, Remix, TypeScript, JavaScript (ES6+), Redux, HTML5, CSS3, Tailwind, component libraries, GraphQL, responsive and accessible UI

Backend & APIs: Python (FastAPI, asyncio, Pydantic, SQLAlchemy), Node.js, Express, Java (Spring Boot), Go, PHP, REST API design, microservices, event-driven architecture

AI & LLM Engineering: LLM API integration, semantic search and retrieval, agentic workflows, Microsoft Fabric Data Agents, AI-assisted development (Claude Code, Cursor, Copilot)

Cloud & Infrastructure: Azure (Active Directory, API Management, Service Bus, EventGrid, App Services, Blob Storage), AWS (Lambda, API Gateway, Cognito), Vercel, Docker, Kubernetes, CI/CD, Git

Data & Storage: PostgreSQL, SQL Server (T-SQL), MySQL, MongoDB, Snowflake, Databricks, dbt, Microsoft Fabric, Azure Data Factory

Testing & Observability: Unit and integration testing, code review standards, Application Insights, Log Analytics

Design & Analytics: Figma, FigJam, Power BI, Tableau

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Waterloo Data *Remote • Feb 2021 – Present*

Engineer across six client engagements, delivering full-stack applications, backend services, event-driven integrations, and cloud platform work. Own solutions end to end from architecture and API design through deployment and production support, partnering directly with non-technical stakeholders to translate business requirements into working systems.

RPM Living — Property Data Platform & Systems Integration *2026*

- Engineered a Salesforce and HR systems integration unifying CRM and staffing data into a centralized reporting layer for cross-functional analytics.
- Built and maintained T-SQL data models and pipelines in Azure SQL Server consolidating Yardi and RealPage property management data into a unified analytics platform serving thousands of business users across the organization.
- Modernized and supported legacy Azure Data Factory pipelines and reporting systems, triaging production incidents and ensuring continuity of business-critical reporting under SLA.
- Prototyped platform modernization in Databricks (Delta tables, Unity Catalog) and Microsoft Fabric (Direct Lake, Data Agents), evaluating AI-assisted analytics capabilities for adoption.
- Designed Power BI semantic models and dashboards surfacing portfolio operating and occupancy metrics for business stakeholders.

American Campus Communities — Microservices Platform & Data Infrastructure *2025*

- Developed asynchronous Python microservices with FastAPI, Pydantic, and SQLAlchemy, integrating with Azure Service Bus and EventGrid to support event-driven workflows across the platform.
- Delivered a core connector API service orchestrating workflows across multiple downstream microservices, establishing the integration pattern used across the platform.
- Designed and implemented data pipelines migrating on-premise systems into Databricks using dbt and a Medallion architecture.
- Built an automated export workflow pulling from Snowflake and delivering files to Azure Blob Storage for downstream consumption.

- Contributed to a company-wide platform migration from Snowflake and PostgreSQL to Databricks.

Implentio — E-Commerce Data Automation *2025*

- Engineered custom Airbyte connectors automating ingestion from multiple 3PL providers and e-commerce platforms into Snowflake.
- Built a web scraper to populate data fields and extract PDF reports from IBM Cognos.
- Streamlined ETL pipelines in Python, reducing manual data processing time.

GE Healthcare — Territory Management Platform *2023 – 2024*

- Led the development of a territory management application enabling GE to optimize sales representative assignments across geographic regions.
- Developed interactive geospatial interfaces for visualizing and editing territory boundaries using Mapbox, TypeScript, and Node.js.
- Integrated with Anaplan to enable real-time updates and scenario planning workflows.
- Contributed scalable backend APIs and services deployed on AWS with PostgreSQL.

Moody's Analytics — Supplier Relationship Management SaaS *2022*

- Helped architect and build a Supplier Relationship Management platform providing supplier hierarchies, risk assessments, alerting, and activity tracking.
- Built interactive dashboards and data visualizations for managing supplier records and risk exposure.
- Developed backend services and third-party API integrations in TypeScript and Python, deployed to AWS Lambda with PostgreSQL.
- Designed and implemented alert workflows surfacing risk indicators and compliance insights to end users.

OrderMyGear — Custom E-Commerce Platform *2021*

- Contributed feature development and codebase modernization for a high-traffic custom e-commerce platform.
- Implemented new functionality across Next.js, PHP, and Go.
- Collaborated on deployment pipelines running on a Kubernetes cluster.

Instructor | Pivot Tech School *Remote • Jul 2025 – Aug 2026*

- Taught and mentored students in AI development, data analytics, and cybersecurity, covering LLM integration, prompt design, and AI-assisted engineering workflows.
- Designed curriculum, courses, and hands-on projects; delivered instruction and code review to cohorts of 40+ students.

Full-Stack Web Development Instructor | DigitalCrafts *Remote • Jul 2022 – Jan 2024*

- Mentored students through a 26-week immersive bootcamp covering JavaScript, Node.js, Express, React, and PostgreSQL.
- Designed hands-on projects and coding exercises; delivered personalized guidance and code reviews.

Software Engineer | Southwest Airlines *Dallas, TX • May 2019 – Feb 2021*

- Led the decomposition of a legacy monolithic system into a microservices architecture, reducing load times by up to 90%.
- Built frontend features in React and Redux and backend services in Java (Spring Boot).
- Developed internal tools streamlining aircraft maintenance workflows for hundreds of users.

Application Developer IV | Bank of America *Dallas, TX • Nov 2018 – Apr 2019*

- Contributed to the migration of legacy SOAP services to a RESTful architecture.
- Designed new data schemas and REST endpoints; enhanced user interfaces for CRUD operations.

FREELANCE

Client work and reviews: contra.com/travislramos/reviews

EDUCATION & CERTIFICATIONS

Bachelor of Arts, Economics & International Business — Sam Houston State University, Huntsville, TX • May 2017

Certificate, Software Engineering — DigitalCrafts, Houston, TX • Oct 2018

Certifications — Microsoft Certified: Azure Fundamentals • Microsoft Certified: Azure Data Fundamentals