

ULISES MANUEL VARGAS DE SOUSA

Senior Java / Full Stack Developer

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PROFESSIONAL SUMMARY

Accomplished Senior Software Engineer with over 8 years of professional experience, specializing in the Java enterprise ecosystem (Java 21, Spring Boot 3) and robust backend architectures (Microservices, Domain-Driven Design, Hexagonal Architecture, Event-Driven Design). Expert in building highly scalable, resilient cloud systems utilizing Apache Kafka, RabbitMQ, and secure transactional patterns, complemented by a strong full-stack background in Angular and React to deliver high-performance, production-ready solutions.

TECHNICAL SKILLS

- **Backend & Core:** Java (Up to 21), Spring Boot 3, Spring Security, Hibernate, Node.js, Express, Nest.js, PHP/Laravel.
- **Architecture:** Microservices, Domain-Driven Design (DDD), CQRS, Hexagonal Architecture, Event-Driven Design, Transactional Outbox Pattern, Circuit Breaker, Retry patterns.
- **Databases & Messaging:** PostgreSQL, Apache Kafka, RabbitMQ, Liquibase, Firebase.
- **Cloud & DevOps:** Docker, SonarQube, AWS (EC2, S3, Lambda, Amplify, Cognito), GCP (Cloud Run, GKE).
- **Frontend & Mobile:** Angular (Signals, NgRx, Angular.js), React (Vite, Redux Toolkit, Context API), TypeScript, Tailwind CSS, Material UI, React Native, NativeScript, Ionic.
- **Methodologies:** GitHub Copilot, Scrum/Agile, CI/CD pipelines, Unit Testing (Mocha, Chai, JUnit).

WORK EXPERIENCE

TERAVISION TECHNOLOGIES LLC — Senior Full Stack Developer

Oct 2021 – Jun 2026

TurboSteps

- Architected and developed scalable backend systems using Nest.js and Node.js for high-performance API design.
- Seamlessly integrated Stripe API for secure payment processing and subscription workflows, alongside GoHighLevel for advanced CRM and marketing automation utilities.
- Managed robust relational data structures with PostgreSQL and containerized application components using Docker.
- Optimized code quality and accelerated feature delivery workflows leveraging AI-driven assistance via GitHub Copilot.

Direct Express

- Engineered key features for a modern web application using Angular, implementing state management with Signals and NgRx.
- Utilized Reactive Forms, Angular Routing, and the Angular Material Stepper to build dynamic and responsive user interfaces.

- Leveraged TypeScript and the Mixin pattern to ensure code quality and scalability.

One App

- Developed a cloud-native application using React, Vite, and TypeScript, managing state with Redux Toolkit and Context API.
- Styled the application with Tailwind CSS and Material Tailwind.
- Integrated backend services using AWS Amplify, Cognito, and Lambda.

Mocafi / Angeleno / Abundant Birth

- Built cross-platform mobile applications using the NativeScript framework with Angular 14.

BLACKFIN — Senior Java Developer

Oct 2025 – Mar 2026

- Engineered high-throughput enterprise microservices for Seguros G&T utilizing Java 21 and Spring Boot 3.
- Implemented Domain-Driven Design (DDD) and Hexagonal Architecture principles to build highly decoupled, maintainable, and robust codebases.
- Designed reliable asynchronous communication channels using Apache Kafka and applied the Transactional Outbox Pattern to guarantee eventual consistency across distributed systems.
- Containerized services using Docker and enforced rigid code quality and security guardrails through SonarQube integrations.
- Optimized database layers and structural persistence with PostgreSQL.

VIDAMED (Freelance / Independent Consultant) — Full Stack Developer

Jan 2025 – Present

- Spearheaded the modernization and refactoring of a legacy medical platform, upgrading system performance and updating key software dependencies.
- Optimized relational database schemas in PostgreSQL to streamline data access and improve query efficiency.

TERRAVISION TECHNOLOGIES LLC | Opal — Full Stack Developer

Jul 2021 – Sep 2021

- Contributed to backend development using Java, Node.js, and Express, deployed on a serverless AWS infrastructure.

TERRAVISION TECHNOLOGIES LLC | Focalyx — Full Stack Developer

Feb 2021 – Sep 2021

- Fixed web application features and added performance enhancements using PHP and the Laravel framework.

TERRAVISION TECHNOLOGIES LLC | Ambi — Full Stack Developer

Apr 2020 – Sep 2021

- Developed a full-stack solution featuring a React Native mobile client and a Node.js/Express backend, using Context API and React.js for front-end state.
- Created a mobile application with React Native, implementing state management with MobX.

TERRAVISION TECHNOLOGIES LLC | Sell Your Classic — Full Stack Developer

Aug 2019 – Apr 2020

- Engineered a React Native mobile application integrated with Firebase Cloud Messaging (FCM).
- Developed and maintained the backend using PHP and WordPress.

DIGEONTECH — Full Stack Developer (Remote)

2018 – 2019

- Created a public service app for the Municipality of San Juan, Puerto Rico, using React + TypeScript (frontend) and Node.js + TypeScript/Python (backend).
- Integrated Google Maps API to enable location-based features, improving user navigation efficiency.

ANDO.LA — Full Stack Developer (Remote)

2018

- Developed a hybrid mobile app with Ionic and refactored legacy backend code to ES6, enhancing runtime efficiency by 20%.
- Built frontend components using Angular.js and backend APIs with Node.js + Express.js.
- Conducted end-to-end testing with Mocha + Chai, ensuring 95% code coverage.

VESTUA (FORMERLY SENSACIONAL CHILE) — Full Stack Developer (Remote)

2018

- Contributed to an e-commerce platform using Angular.js (frontend) and Node.js (backend).

SETECH C.A. — Web Developer (Proyecto Vidamed)

Jun 2017 – Oct 2017

- Co-developed the initial core of the Vidamed application using JHipster as the foundational stack.
- Configured enterprise backend structures using Java (Spring), Hibernate for ORM handling, and Liquibase for structural database migrations.
- Managed persistent data storage with PostgreSQL and built dynamic user views utilizing Angular.js.

VIVACE C.A. — Full Stack Developer (In-person)

Apr 2016 – Nov 2016

Venezuelan Doctors Online Project (Telemedicine):

- Developed platform components utilizing Angular.js on the frontend and server-side APIs with Node.js and Express.js.