Maria Lovaton

Phone: +51 924320168 | Email: mlovatonv@gmail.com | Location: Lima, Peru
LinkedIn: linkedin.com/in/mlovatonv | GitHub: github.com/mlovatonv | Portfolio: mlovatonv.gitlab.io/maria

Education

BSc Computer Science **2018 – 2021**
UTEC (Universidad de Ingenieria y Tecnologia) *Peru*
Relevant Coursework: Artificial Intelligence, Software Engineering & Hardware, Data Visualization & Business Intelligence

Skills & Technical Toolkit

- **Languages:** TypeScript, JavaScript, Python, C, C++, HTML5, CSS3, SQL, Bash
- **Frameworks & Libraries:** React.js, Node.js, GraphQL, Django, Flask, Express
- **Developer Tools & DevOps:** Docker, Kubernetes, PostgreSQL, Git, Continuous Integration (CI/CD), Jest, Cypress
- **Architectures & Practices:** API Development, SDLC, Web Security, Testing & Debugging, Microfrontends
- **Operating Systems:** macOS, Linux, Windows
- **Soft Skills:** Technical Leadership, Adaptability, Active Listening, Analytical Thinking, Teamwork

Professional Experience

Senior AI-Powered Full Stack Developer **Nov 2026 –**
HASH INTERMEDIAÇÕES *Brazil*

- Sole engineer responsible for architecting and building the Bridge fintech MVP from the ground up, delivering a functional web application while owning product definition, technical architecture, frontend, backend, payment integrations, and DevOps.
- Leveraged GitHub Copilot, selecting AI models based on task complexity to generate, review, debug, and test production code, enabling the delivery of a functional fintech MVP from scratch in under one week.
- Designed and implemented full-stack applications using React, TypeScript, Node.js, and PostgreSQL, including customer-facing interfaces, administrative backoffice, and core financial workflows.
- Led end-to-end integration of Bridge's payment infrastructure, implementing customer onboarding, KYC flows, virtual accounts, deposits, conversions, and withdrawals through REST APIs.

Senior Full Stack Developer **Aug/2021 – Sep/2026**
Airtm *United States*

- Architected and scaled frontend micro-applications and GraphQL services with React and TypeScript, supporting 2M+ monthly financial transactions across 10+ fiat and digital currencies.
- Led end-to-end **API development** and schema optimizations, reducing average GraphQL query latency by 35% and accelerating dashboard load times by 1.2s.
- Implemented automated data validation and encryption protocols across the full **software development life cycle (SDLC)**, mitigating security vulnerabilities and reducing fraud risks by 40%.
- Integrated **continuous integration** pipelines and test suites (Jest/Cypress) for core financial workflows, sustaining 99.9% application uptime.
- Integrated **Claude AI** into daily engineering workflows to build, review, and test production code, accelerating feature delivery and improving code coverage across core repositories.

Full Stack Developer **Aug/2020 – Aug/2021**
Ground Tech Inc *United States*

- Engineered real-time geospatial tracking web applications using React, Flask, and PostgreSQL for live fleet monitoring across 50+ active construction sites.
- Developed high-performance Python spatial algorithms and backend services, decreasing map rendering delays by 45% for dense spatial datasets.
- Standardized **testing and debugging** workflows across the deployment lifecycle, reducing release regression bugs by 30% and accelerating feature delivery.

Full Stack Developer **Nov/2018 – Aug/2020**

AmigoCloud *Peru*

- Spearheaded a frontend architecture migration from legacy Angular to React and TypeScript, boosting application render speeds by 50% and significantly improving team delivery velocity.
- Designed scalable RESTful endpoints using Django and PostgreSQL to process 100k+ custom map layers and complex spatial queries with sub-second response times.
- Championed agile SDLC methodologies and peer code reviews, boosting delivery velocity across 4 major product releases.

Projects

- Boosting ensemble (meta-algorithm) on a binary classifier with cross-validation – built using NumPy, MATLAB, and Python
- KNN and Decision Tree Classifier – built using Python, Scikit-learn, NumPy, Scala, SBT, Apache Spark
- Simple HTTP Proxy Server and CSIL Student website crawler with HTML front-end generation – built using Scala and C++ respectively
- High-performance concurrent B-Link Tree index structure – built using C++
- Simulate a simple netcat Unix utility, which reads and writes data across network connections, using TCP and UDP protocol – built using C
- Dynamic Single-Page Application (SPA) with real-time state management – built using React, JavaScript, and CSS3
- Modular Event-Driven Web Application with custom DOM manipulation – built using Native JavaScript (ES6+), HTML5, and CSS3

Achievements

- **MIT Global Startup Labs** (Mar. 2018)
- Member of Competitive Programming Club (CPC)