

Mizael Paredes Vielma

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Senior Software Engineer with 8+ years of experience designing and delivering scalable web and mobile applications. Proficient in JavaScript, TypeScript, React, Node.js, and cloud platforms (AWS, GCP). Experienced in building AI-driven systems, including LangGraph agents in Python, powering workflows used by tens of thousands of users. Strong track record in AdsTech, system integrations, and leading cross-functional teams through Agile practices. Skilled at mentoring engineers and driving measurable improvements in performance and efficiency.

WORK EXPERIENCE

Mercadolibre

Software Engineer

Santiago, Chile

May 2023 – Present

- Led the migration of the campaign creation module, improving load times by **50%+** and enabling **tens of thousands of advertisers** to customize campaigns and ads daily..
- Built an AI-powered agent (LangGraph + Python) to perform **bulk ad operations via natural language**, empowering advertisers to manage **thousands of ads simultaneously**.
- Developed an AI-driven optimization module for campaign performance, providing actionable recommendations and adopted by **thousands of users**.
- Implemented key fixes (eliminating redundant reloads, version mismatches), improving **system reliability and user experience**.

Betterfly

Senior Software Engineer

Santiago, Chile

Sep 2022–May 2023

- Supported the scaling of a **well-being and insurance tech platform** serving **hundreds of thousands of users** across Latin America.
- Developed backend services in **Node.js and TypeScript**, enhancing performance and ensuring high availability.
- *Partnered with product and data teams to release features that boosted **user engagement and retention**.*

Global66

Senior Software Engineer

Santiago, Chile

Sep 2020–Sep 2022

- Contributed to the development of a **cross-border payments platform**, scaling services to handle **thousands of daily financial transactions**.
- Designed and implemented microservices in **Node.js and TypeScript**, improving reliability and modularity.
- Integrated third-party APIs for compliance and currency exchange, accelerating **time-to-market** of fintech features.

EDUCATION

UNIVERSITY OF LONDON

BSc in Computer Science

London, UK

May 2022

Certifications: Microsoft – Cloud Architecture Fundamentals; Google – Machine Learning Foundations

SKILLS

- **Languages & Frameworks:** JavaScript (ES6+), TypeScript, Python, Go, React, Node.js, Express, Next.js, Vue.js, Flutter
- **Cloud & Infrastructure:** AWS (Lambda, S3, EC2), GCP (Compute Engine, BigQuery), CI/CD, Docker, Kubernetes, Infrastructure-as-Code
- **AI & Data:** LangGraph, LangChain, RAG pipelines, LLMs (OpenAI, Gemini), ChromaDB, FAISS, Prompt Engineering
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, DynamoDB
- **Observability & Monitoring:** New Relic, Grafana, Datadog, Kibana
- **Other Tools:** Git, Jira, Agile/Scrum, Jest, Cypress, Playwright

PROJECTS

Jarvis-like AI Desktop Extension

- Built a **desktop extension AI assistant** (LangGraph + Python + React) for workflow automation, integrating file management, contextual memory, and natural language commands.
- Implemented multi-agent orchestration and structured output with **Pydantic**, enabling dynamic batching and error recovery.

Gmail Scam Detector (Chrome Extension)

- Created a Chrome extension with **React, Vite, Zustand, and shadcnUI** integrated with Gmail API.
- Added a “**CHECK EMAIL**” **button** to detect phishing emails with GPT-powered classification.

GraphQL Debugger (Chrome DevTools Extension)

- Built a DevTools extension to capture **GraphQL queries/variables/responses** with real-time debugging and Redux-like visualization.