Paulo Briceño

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About Me

Senior **Full-Stack Software Engineer** with **6+ years of experience** building scalable, production-grade applications with a strong focus on **TypeScript across the entire stack**. Proven expertise in designing front-end, back-end, and cloud architectures using modern JavaScript/TypeScript ecosystems. Experienced in startups, scale-ups, and high-growth environments, delivering high-quality products with strong attention to performance, maintainability, and developer experience.

Experience

Freelance Software Engineer

Remote · 01/2025 – Present

Delivered end-to-end **TypeScript-based full-stack solutions** for startups and SMBs across e-commerce, wellness, retail, and social impact sectors.

- **Fashion Lounge Shop** — Led a full redesign and new front-end implementation using **React, Next.js, and TypeScript**, improving UX, performance, and long-term maintainability of a production e-commerce platform.
- **InstaLeads** — Built a **Chrome extension** to automate Instagram growth strategies, developed with **TypeScript** and **Supabase**, including automation workflows, data persistence, and user management.
- **Indigo Balance** — Designed and implemented internal tools and a mobile platform using a **Flutter-based stack** with **Supabase** as the backend, enabling a scalable wellness marketplace.
- **Dono.lat** — Built a full-stack platform for charities to create events and manage volunteers, focusing on clean API design and maintainable TypeScript services.
- **Santo Byte (Dono – Social Impact Program)** — Developed and supported an associated educational program for low-income Venezuelans, teaching **computer science fundamentals** and **C programming basics**, with a focus on problem-solving, algorithms, and foundational software engineering concepts.
- **ulu.lat** — Engineered a TypeScript-driven platform to automate retail business processes, including **AI-assisted agents**, internal dashboards, **automated logistics pipelines**, and **content creation and multi-platform content management agents**.

Co-Founder / Lead Engineer — MapAds

Buenos Aires, Argentina · 05/2024 – 01/2025

- Co-founded and built a **TypeScript-first, full-stack platform** for location-based advertising and audio content delivery.
- Developed a **React Native mobile application** and **three Next.js web applications** within a shared **monorepo architecture**, enabling code reuse and consistent development practices.
- Designed and implemented scalable front-end and back-end systems supporting **data-intensive recommendation workflows**.
- Built pipelines for **automatic audio generation** and **location-based advertisement recommendations**.
- Implemented analytics to analyze traveler interactions and deliver personalized content.
- Contributed to securing **28 brand partnerships** through effective AI-driven advertising solutions.

Founding Engineer — Blue Saturn (Techstars ’23)

Remote, Chicago, USA · 09/2023 – 05/2024

- Led **full-stack development using TypeScript** to build an AI-driven candidate-matching platform, including a **Chrome extension integrated with ATS systems** to streamline candidate ingestion and evaluation.
- Designed and implemented scalable front-end and back-end architectures capable of processing **1,000 resumes in ~2 minutes**.
- Built robust APIs and system integrations for **LLM-powered workflows**, achieving **95% alignment** with human evaluations.
- Emphasized code quality, performance, and developer experience in a fast-paced startup environment.

Software Developer — Tonal

Remote · 06/2022 – 08/2023

- Re-architected complex internal management tools using **TypeScript**, significantly improving developer experience and code reliability.
- Reduced bug incidence by **35% within 3 months** through improved typing, state management, and component architecture.
- Implemented advanced caching strategies, reducing application requests and load times to **~33% of original levels**.

Full-Stack Developer — SoFi

Buenos Aires, Argentina · 01/2021 – 07/2022

- Worked as a full-stack developer on the Proof of Concept and Demos team.
- Built interactive applications using **React** and **Java (Spring)** to showcase financial products and core banking capabilities.
- Delivered end-to-end solutions demonstrating business value for Transfers, Credits, Payments, and Core Banking systems.

Software Developer — Sistematis S.A.

Buenos Aires, Argentina · 01/2020 – 01/2021

- Contributed across software development, system architecture, and UX/UI design.
- Built web applications with **React** and mobile applications with **Flutter**.
- Delivered high-performance user experiences while working across the full development lifecycle.

Freelance Software Developer — Self-Employed

Buenos Aires, Argentina · 01/2019 – 01/2020

- Delivered creative, low-budget technical solutions for **16 small businesses**, covering web development, automation, and lightweight system design.

Machine Learning Projects

VideoMAE Large — Fine-tuned on UCF-Crime (2024)

- Published on Hugging Face: huggingface.co/OPear/videomae-large-finetuned-UCF-Crime
- Fine-tuned **VideoMAE Large** for video classification and anomaly detection.
- Achieved **92.96% validation accuracy** across 14 classes (normal and anomalous behaviors).
- Technologies: **PyTorch, Hugging Face Transformers, VideoMAE**.

Meet Assistant (2020)

- Developed a tool used by **15,000+ teachers in 65+ countries** to track and manage online classes.

Skills

Primary Focus

- **TypeScript** — advanced usage across front-end, back-end, APIs, and tooling
- **Full-Stack Architecture** — scalable, maintainable system design
- **AI & Agentic Systems** — design and development of AI-powered systems, agent-based workflows, and model training/fine-tuning for real-world applications

Languages

- TypeScript, JavaScript, Python, Dart, Java, SQL

Frameworks & Platforms

- **Frontend:** React, Next.js, React Native, Flutter
- **Backend:** Node.js, Deno, Express, TRPC, API design, Spring, Dart Frog
- **Cloud & DevOps:** AWS, GCP, Supabase, Firebase, Docker
- **DB & Data:** PostgreSQL, MongoDB, Redis, data modeling, caching, data processing pipelines

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Courses

Kaggle & Google — GenAI Intensive Course (2025)

- **Large Language Models (LLMs)**
- **Embeddings & Vector Stores**
- **Agents and Agentic Workflows**
- **Operationalizing Generative AI on Vertex AI using MLOps**
- **Solving Domain-Specific Problems Using LLMs**

Coursera — Data Engineer Specialization (2024)

- Introduction to Data Engineering
- Warehousing and Data Lakes - ETL, ELT, and Data Integration - Big Data Tools and Ecosystem (Spark, Hadoop) - Cloud Data Engineering (AWS)

OpenCV University (2024)

- Computer Vision TensorFlow & Keras Bootcamp — **Grade: 99%**

DeepLearning.AI Specializations (2022)

- Neural Networks and Deep Learning (Credential ID: WESLTSURLZ7Z)
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization (Credential ID: PNV8JNY3U5VS)
- Structuring Machine Learning Projects (Credential ID: XPMZADAWZ8TQ)
- Convolutional Neural Networks (Credential ID: DNTRG-TVLU8EX)
- Sequence Models (Credential ID: ZZDWBE4S3AEV)