Daniel Jun Suguimoto

Staff Software Engineer | Lead Software Engineer

Bauru, São Paulo, Brazil · Remote
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Staff Software Engineer and Lead Software Engineer with a track record in architecture, engineering, and evolution of high-scale distributed systems. Experienced in SaaS platforms, financial and enterprise integrations, asynchronous processing, low-latency search, and AI-powered operational automation. Combines hands-on technical leadership with close collaboration across engineering, product, and international clients.

Technical Skills

Distributed Systems & Backend

Go (Golang) · PHP 8+ · Laravel · Java · Spring Boot · C#/.NET · REST APIs · microservices · distributed systems · asynchronous processing · queues and workers · webhooks · financial and enterprise integrations · MySQL · SQL Server · MongoDB

Cloud, Infrastructure & Cloudflare

Cloudflare (power user) · AWS · Docker · Docker Compose · multi-architecture environments and toolchains · application deployment and operations · service and infrastructure integration

Frontend & Full Stack

React · Angular · Vue.js · Livewire · JavaScript · full-stack development · high-concurrency web applications

Architecture & Methodologies

Hands-on technical leadership · software architecture · Hexagonal Architecture · Domain-Driven Design (DDD) · Test-Driven Development (TDD) · microservices · API design · code review · mentoring · Scrum · collaboration with Product and clients

AI & Agentic Workflows

Generative AI and LLMs · AI-powered automation · agents and agentic workflows · Model Context Protocol (MCP) · agent tool integration · structured outputs for automation · human oversight and traceability

Professional Experience

Lulo Solutions — Exlink Workspace · United States (Remote)

Tech Lead March 2024 – Present

- Owns core architecture and technical evolution of a U.S. J-1 exchange program platform, meeting strict SEVIS compliance requirements. Automated ~24,000 student records and status updates across 15 organizations in 12 months, eliminating manual federal-portal entry.
- Automated 5,410+ criminal background screenings end-to-end via partner APIs (~33% of U.S. operational checks), streamlining report ingestion.
- Processed 3,818 student health insurance policy operations across 20 organizations in 12 months, including 2,878 enrollments, modifications, and cancellations, without manual intervention.
- Delivers end-to-end Stripe payment integrations: recurring billing, financial webhooks, reconciliation, and ledger. Built recurring billing and subscription pipelines processing nearly 3,000 transactions totaling approximately $298,000.
- Designs high-performance, low-latency Typesense search indexing large volumes of operational data. Migrated global search from MySQL joins to Typesense (Laravel Scout), reducing search request volume by 80% across 32,000+ records and 44 sponsor companies.
- Builds asynchronous pipelines, message queues, and background workers to decouple services and critical workflows.

- Implements traceable LLM/AI operational automations with human oversight, including production workflows for automated document validation and applicant verification; leads engineering, rigorous code reviews, and architectural standards.

Stack: PHP 8.x, Laravel, Livewire, Typesense, MySQL, Docker, Stripe, SEVIS API, LLMs

QikServe · Edinburgh, Scotland (Remote)

Software Engineer April 2023 – March 2024

- Developed and supported enterprise digital ordering and payment products for restaurants, bars, and hotels. Scaled high-concurrency ordering and payment microservices across 8,000+ hospitality client locations, processing up to 8 billion monthly API requests and 12 million monthly food-and-beverage orders.
- Integrated POS Access and Tevalis systems and global payment gateways Stripe and Adyen, handling 2M+ transactions over two years; planned features, refactored services, and maintained microservices architecture.

Stack: Java, Spring Boot, MySQL, React, Angular, Docker, Scrum

Firework Web & Mobile · Brazil / United States (Remote)

Engineering and technical leadership May 2019 – March 2023

Tech Lead · April 2022 – March 2023

- Led multidisciplinary teams and supported developers directly; aligned architecture and requirements with Product Owners and international clients.
- Established engineering processes and delivery standards and provided technical mentoring.

Senior Full Stack Developer · May 2019 – March 2023

- Engineered high-concurrency web systems for e-commerce, video localization/subtitling, and exchange programs. Developed streaming-media localization and subtitling workflows for Plint Core, serving tier-one networks including Netflix, Amazon Prime Video, and Viacom; built video-stream manipulation and front-end tooling.
- Contributed 335+ commits (>20% of the codebase) to kool.dev, an open-source Go Docker/Compose CLI orchestrator with 720+ stars.
- Led client requirement analysis, architecture, and mentorship for Swedish supermarket e-commerce and exchange systems.

Stack: PHP, Laravel, Vue.js, Golang, .NET/C#, MySQL, Docker, Git

Partner Fusion · United States (Remote)

Senior Systems Analyst / Full Stack Web Developer August 2018 – April 2019

- Analyzed, developed, and maintained high-availability, high-volume platforms for the U.S. hospitality and travel market.
- Designed scalable web solutions and supported critical conversion workflows; built high-throughput hotel reservation and checkout microservices for a platform with $6.79B+ cumulative GMV, 19.5M+ bookings, and inventory of 1M+ hotels.
- Optimized booking funnels for peak loads of 10,000 room nights/day and 50:1–200:1 look-to-book ratios; built geolocated availability, UX tracking, and A/B testing for content spanning 29M+ photos and 57M+ reviews.

Stack: PHP, Symfony, JavaScript, jQuery, MySQL, Git, Scrum

MSTech · Bauru, São Paulo, Brazil

Senior Programmer Analyst October 2011 – August 2018

Progression: Senior Programmer Analyst (2015–2018) · Mid-level Programmer Analyst (2014–2015) · Junior/Mid Programmer (2011–2014) · Intern (2011)

- Architected, developed, and supported large-scale education ecosystems serving public and private school networks. Progressed from intern to Senior Programmer Analyst over seven years, building nationwide school-management platforms serving 10,000+ schools and approximately 8 million students.
- Built backend services for thousands of concurrent users during peak enrollment and grading periods, plus census synchronization integrations with Educacenso and SED/SP.

- Advised support teams, prepared technical estimates, and trained/onboarded engineers; contributed to Scrum adoption and MPS.BR process-quality certification.

Stack: .NET (C#, WebForms, MVC, WebAPI), SQL Server, MongoDB, AngularJS, PHP/Moodle, Reporting Services

Open Source & Community Contributions

kool.dev — Go CLI & Developer Tooling · Core Contributor

- Architected and evolved Docker/Compose CLI (90+ PRs, 335+ commits; over 20% of codebase; 720+ stars). Implemented command lifecycles, configuration wizards, cross-platform workflows, and agentic `--output json` mode.
- Maintained multi-architecture ARM Docker toolchains and PHP 8.4 runtime images.

Laravel Framework

- Merged core fixes into Eloquent ORM for date serialization and model lifecycle restoration under soft deletes (PRs #30549, #31719).

Vue.js

- Contributed SSR rendering fixes to official Vue runtime for textarea values in server-side builds (PR #11121).

Developer Tooling & Agentic Systems

- Authored Fig shell autocomplete specs; maintains public MCP servers and agent workflow specifications.

Education

B.S. in Computer Science
UNESP · 2008–2011

MBA in Project Management
FGV · 2013–2016