

HUDSON DUNICE

dunice@gmail.com • linkedin.com/in/dunice • github.com/dunice

Staff Engineer with **20+ years** building high-scale backend platforms across consumer products, logistics, and IoT telematics. Architected systems processing **20M+ daily GPS events** at **99.9% uptime**, with deep expertise in distributed systems, event-driven architecture, scalability, and reliability. Brings platform-level technical leadership across teams of **30+ engineers**, alongside co-founding a company that scaled to a **\$30M valuation**.

Technical Skills

- **Engineering Leadership:** Technical Roadmapping, RFC/ADR Processes, Platform Governance, Mentoring Senior ICs, Cost Optimization (FinOps), Stakeholder Alignment.
- **Systems & Architecture:** Distributed Systems, Platform Engineering, Event-Driven Architecture, Microservices, System Design, High Availability, Scalability, API Design (REST, GraphQL, OpenAPI).
- **Languages & Frameworks:** Node.js (NestJS, Fastify), TypeScript, Python (FastAPI), Go.
- **Cloud & Infra:** AWS (Kinesis, MSK/Kafka, ECS, Lambda, SQS, EventBridge, S3, RDS), Apache Kafka, Docker, IaC (Terraform, AWS CDK), CI/CD (GitHub Actions), Observability (Datadog, Sentry).
- **Databases:** PostgreSQL, DynamoDB, Redis, TimescaleDB, MongoDB, MySQL.

Experience

Onfleet - North America's leading last-mile delivery platform serving 1K+ enterprise clients with \$12M+ ARR.

Lead Software Engineer

Sep/2025 – Present

- Reduced backend processing latency by **95% (from 60 seconds to 3 seconds)** by optimizing data access and database queries, enabling the platform to absorb **10x traffic spikes** during peak delivery windows.
- Introduced AI-assisted development workflows that cut implementation time by **30%** and were adopted as the standard across **4+ engineering squads**.
- Owned the architectural roadmap for high-concurrency delivery orchestration services, defining service boundaries, reliability patterns, and observability standards adopted across the platform.

Ikon Technologies - IoT automotive telematics platform serving dealerships and connected vehicles.

Staff Software Engineer

Nov/2023 – Sep/2025

- Architected and scaled a distributed, event-driven IoT telemetry platform processing **20M+ GPS events per day** at **99.9% uptime**, owning its technical direction across the full platform lifecycle.
- Established organization-wide RFC and ADR practices adopted across teams of **30+ engineers** while mentoring junior and senior ICs, reducing cross-team integration friction and accelerating delivery.
- Built **shared libraries, SDKs, and observability tools** to standardize service patterns, accelerate onboarding, and eliminate repeated boilerplate.
- Designed an **Apollo GraphQL layer** that unified client access to internal microservices, reinforcing service boundaries and simplifying frontend integration.
- Re-architected the CI/CD pipeline with parallel jobs and build caching, cutting deployment time by **89% (from 45 minutes to 5 minutes)** and increasing engineering throughput across platform teams.

Utility - Award-winning digital agency known for launching high-scale products for global clients, including Airbnb, Forbes, and NBA.

Staff Software Engineer

Jan/2023 – Nov/2023

- Created architectural roadmaps for **5+ client platforms** in media, sports, and logistics, translating ambiguous business requirements into service boundaries, API contracts, and scalability strategies that reduced architectural risk before production development began.

- Standardized NestJS service templates, reusable components, and automated Pull Request quality gates across 20+ engineers, reducing onboarding time and accelerating time-to-market.

[HealthIQ](#) - Health data processing at scale · Regulated HIPAA environment.

Senior Backend Engineer

Mar/2022 – Jan/2023

- Re-architected distributed data access and aggregation workflows to improve critical patient data query performance **from 30 seconds to 1 second**, removing cross-system bottlenecks in clinical decision workflows.
- Built a high-throughput pipeline that backfilled **5GB of data into Oracle Eloqua in under 5 minutes**, using batching, parallelization, and adaptive throttling to complete a customer data migration within one maintenance window despite strict API rate limits.
- Designed event-driven microservices using Kafka, SQS, and Lambda for reliable health data exchange; implemented DLQs, audit logging, and retries to prevent data loss across patient-critical message flows.

[Pinterest](#) - Global visual discovery platform · 400M+ monthly active users · Thousands of global business partners.

Senior Software Engineer

Mar/2021 – Mar/2022

- Built Figma automation tooling that eliminated manual asset handoffs and saved approximately **160 hours per month** across design, content, and marketing teams, accelerating global campaign launches.
- Built and maintained the Pinterest Business platform component library providing **200+ components** used by thousands of global partners to standardize UI patterns and reduce inconsistencies across campaign tools.

[NeoJets](#) - Private jet charter platform with real-time pricing, routing, and crew management.

Co-Founder & CTO

Jun/2015 – Mar/2021

- Built technical foundation from zero, owning architecture, infrastructure, and engineering hiring for a **10-engineer team**; scaled the platform to a **\$30M valuation** while maintaining **100% uptime** in a critical environment.
- Architected a real-time route search and dynamic pricing engine that combined aircraft availability, crew schedules, fuel costs, and airport constraints across **5 operators**, reducing operational response time by **28%** and enabling **500+ bookings per month** at peak.
- Built an aircraft maintenance tracking and crew management system that automated **FAA compliance**, including crew-hour limits, certification expirations, and maintenance schedules for **150+ aircraft**.

[Scalable Path](#) - Global remote software talent platform · 50K+ developer network · 300+ client companies.

Senior Software Engineer

Dec/2014 – Mar/2017

- Engineered end-to-end features for internal applications (CRM, Payroll, and Operations), streamlining workflows for clients and contractors.
- Led development of the company's main platform and scaled it to support **5,000+ daily active users** through high-performance frontend and backend architecture.
- Modernized legacy components with ReactJS and Laravel, improving maintainability and user experience.

[Fermento](#) - Full-service digital agency delivering web platforms, digital products, and enterprise campaigns

Technology Coordinator

Aug/2013 – Dec/2014

- Architected and delivered a high-availability sweepstakes platform that issued **10M+ unique promotional lottery** numbers for CAIXA during the 2014 FIFA World Cup, supporting a nationwide campaign with fault tolerance and scalability under peak traffic.
- Managed a **cross-functional team of 5 engineers** and introduced Agile practices to accelerate delivery.
- Represented technical considerations in high-stakes negotiations, helping secure contracts with **major enterprise corporations in Brazil**.

Additional Experience

CTIS — Full Stack Developer	Apr/2012 – Aug/2013
Sigma Dataserv — Full Stack Developer	Sep/2011 – Apr/2012
Cabal Brasil — Web Designer	Jan/2006 – Sep/2011

Freelance Projects

[Teacher AI](#) - AI-powered language learning platform.

Senior Backend Engineer	Feb/2024 – Dec/2024
- Architected multimodal AI workflows integrating LLMs, speech-to-text, and voice synthesis technologies, including ElevenLabs to enable natural spoken conversations and teacher voice replication for personalized language learning. - Built orchestration layers connecting LLMs, speech services, and learning content pipelines to power real-time conversations and personalized student feedback. - Re-architected the platform ecosystem to reduce downtime, improve reliability, and establish a scalable foundation for product growth.	

Education

- Postgraduate Specialisation in Software Architecture, IGTI – 2015
- B.Sc. in Interface Design, Fortium – 2007 - 2012

Languages

Portuguese (Native) • English (Fluent)