JAVIER LAVEAGA AGUIRRE

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SKILLS

Programming Languages: JavaScript, TypeScript, Python, C, C++, Java, SQL, MATLAB

Frameworks & Technologies: React, Next.js, React Native, Vite, Node.js, FastAPI, Supabase, PostgreSQL, Docker, AWS (S3), Cloudflare Workers, Git, GitHub Actions, Slurm, Linux

Other Tools: Prisma ORM, Clerk, RevenueCat, Tailwind CSS, n8n, Notion, Tmux

Concepts: Event-driven/asynchronous patterns, RESTful APIs, schema design, CI/CD, authentication & security, data modeling, real-time systems, monetization & payments, role-based access control (RLS), Agile

Languages: Spanish (fluent), French (proficient)

WORK EXPERIENCE

Tufts Technology Services   Medford, MA
Application Development Intern   *Sep 2025 – Present*
- Developed and enhanced open-source web applications and dashboards for the Tufts HPC cluster, focusing on real-time resource monitoring and user experience
- Built and maintained RESTful API endpoints and backend services for reporting cluster and job metrics at scale, optimizing data modeling and schema design
- Led integration of dashboards into Open OnDemand as a scalable solution for researchers using Linux and Slurm

EVident Battery Inc.   Westford, MA
Full Stack Developer Intern   *May 2025 – Aug 2025*
- Developed consumer-facing web interfaces in React and Vite to visualize battery inspection data at scale
- Implemented secure RESTful APIs and backend services using FastAPI and Node.js, leveraging AWS (S3) and Docker
- Designed PostgreSQL database schemas with a focus on performance and access control (RLS)
- Built CI/CD pipelines with GitHub Actions and implemented real-time data streaming with WebSockets

Tufts JumboCode (English At Large Inc.)   Medford, MA
Software Developer   *Sep 2024 – May 2025*
- Designed and developed a full-stack library management platform using Next.js, React, TypeScript, and PostgreSQL with Prisma ORM
- Implemented secure authentication and role-based access control using Clerk and RLS policies
- Collaborated in Agile sprints and cross-functional teams to review code, optimize performance, and ensure deployment reliability via CI/CD pipelines

PROJECTS

WearAGift (Mobile App – iOS & Android):
- Built and published a React Native app with Expo and Cloudflare Workers backend (R2, KV, Durable Objects)
- Architected monetization system with RevenueCat subscriptions, atomic credit transactions, and in-app purchase flows
- Coordinated influencer marketing campaigns with 10+ creators for creator partnerships and sponsorships

SurveyAid:
- Developed and published an iOS app using React Native and Expo for AI-powered survey generation, integrating RevenueCat for subscription monetization and Cloudflare Worker proxy for secure workflows

EDUCATION

Tufts University – School of Engineering   Medford, MA
Bachelor of Science in Computer Science, Minor in French   *May 2026*
  GPA: 3.88 / 4.00, Dean's List 2022–2024