Brayan Ivan Perez Ventura

Ensenada, Baja California • LinkedIn • GitHub • Portfolio • contact@keiwv.dev

SUMMARY

Highly motivated Software Engineering student specializing in Emerging Technologies at Universidad Autónoma de Baja California. Passionate about technology, problem-solving, and continuous learning, with hands-on experience in backend development, and game development. Skilled in using modern frameworks, version control, and Linux environments, aiming to leverage technical skills in innovative projects.

EDUCATION

Universidad Autónoma de Baja California — Ensenada, Baja California
Bachelor of Engineering in Software and Emerging Technologies — *Expected July 2026*

ACADEMIC EXPERIENCE

Sippy — Ensenada, Baja California
DevOps - Backend — August 2025 – December 2025

- Developed a scalable backend using Node.js and Azure App Service, managing hybrid PostgreSQL and NoSQL databases for social media features.
- Implemented continuous quality inspection using SonarQube, maintaining a "Passed"Quality Gate by identifying and mitigating technical debt and code smells.
- Conducted mobile security audits and software estimations using OWASP standards and Function Points.

CICESE — Ensenada, Baja California
Backend Developer — February 2025 – July 2025

- Developing and documenting RESTful API endpoints to support data management and integration.
- Reviewing and optimizing backend code for performance by 30%, readability, and scalability.
- Collaborating with cross-functional teams to implement backend features aligned with project requirements.

Gestor de Horas Universitarias — Ensenada, Baja California
BackEnd Developer — October 2024 – December 2024

- Developed RESTful API endpoints for automating university hour requests, streamlining the approval process.
- Implemented an AI-based automated response system using the Geminis AI model, reducing manual workload by 80%.
- Integrated Azure services, including blob storage and a bot for technical support, improving service availability.
- Automated acceptance/rejection responses, enhancing efficiency by 70% and reducing response time.

AWARDS

Honorable Mention, Hackathon Elegis-Tech 2025-1 — March 2025

- Developed **LegisConnect**, a platform to strengthen communication between citizens and legislators, enabling initiative proposals, feedback, and real-time tracking of legislative activity
- Implemented backend functionalities and web scraping features to support the platform's operations and data tracking

Local Winner & Global Nominee Nasa Hackathon — September 2025

- Implemented and Deployed Retrieval-Augmented Generation (RAG) services using NestJS.
- Designed and deployed vector databases to enable semantic search capabilities using Google Cloud Services.

TECHNICAL SKILLS

Programming Languages: C, C++, JavaScript, TypeScript, Python
Frameworks & Libraries: React, Node.js, Next.js, Bootstrap, FastAPI, Prisma
Tools & Platforms: Visual Studio, VS Code, NVIM, Git, GitHub
Operating Systems: Linux (Arch, Ubuntu), Windows
Development Methodologies: Software design patterns (Factory, Observer, Composite)
Languages: Spanish (Native), English B1 (Intermediate proficiency)

CERTIFICATIONS

- Google Data Analytics Certification
- Programa Oracle Next Education F2 T6 Back-end
- Formación Java y Spring Boot G6 - ONE