
Leon Casas

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Education

Universidad Autonoma de Nuevo Leon

B.Sc. Software Engineering

Monterrey, N.L.

2022-2027

Experience

Coordinacion de Aplicaciones Moviles, UANL

Full Stack Engineer

San Nicolas de los Garza, N.L.

May, 2023 – Oct, 2024

- Spearheaded and collaborated development of 5+ web/mobile apps with Vue.js, TypeScript, Tailwind CSS & Firebase, cutting manual workflows by 40%.
- Served as Product Manager & Scrum Master: led agile processes, client discovery sessions and backlog grooming; guided 20+ junior developers through sprints, code reviews and one-on-one technical coaching.
- Architected Dockerized AdonisJS 6/PostgreSQL services on DigitalOcean, boosting deployment reliability by 80%.
- Integrated UANL's SIASE SOAP API for student session management, achieving 99.9% data-sync accuracy.

Zealix (Autonomous)

Co-founder and Software Engineer

Remote

May, 2024 – April, 2025

- Architected & launched a multi-tenant SaaS restaurant-management platform with NextJS 14, Tailwind CSS, Zustand, Shadcn/UI and a TypeScript-based Express + Prisma/Socket.io backend—delivering MVP in 3 months and full feature set in 5 months. Achieved zero critical production bugs in first six months.
- Migrated backend to AdonisJS 6 (Auth, Lucid ORM, Transmit SSE, Drive File Storage Library, SMTP mailing, Redis and multi-layer cache) and PostgreSQL + Citus—reducing AWS Aurora costs by ~80% while maintaining horizontal scalability.
- Orchestrated CI/CD deployment on AWS Fargate (backend) and EC2 (Postgres+Citus), configured load-balancers and auto-scaling policies to ensure 99.9% uptime under peak loads.
- Contributed to business strategy, market research and product roadmap—conducted competitive analysis, client interviews and pitched innovative features.

Leadership & Activities

FIME DevZone Bootcamp, UANL

Technical Mentor, Scrum Master & Product Lead

Cd. Universitaria, N.L.

Jan 2023 – Oct 2024

- Organized and delivered three editions of a 6-week web-dev bootcamp for 25+ students each, teaching HTML & CSS & TypeScript, Vue 3 and Firebase fundamentals.
- Led these junior-dev teams (up to 25 simultaneous participants) as Scrum Master and Product Manager, running sprints, daily stand-ups, backlog grooming and one-on-one technical coaching.
- Mentored participants through code reviews, paired programming and agile best practices, achieving a 90% project completion rate and producing deployable features for the university's apps.
- Advised the Coordination Director on high-potential talent; several bootcamp alumni were formally hired into developer roles.

Skills & Interests

- **Technical:** TypeScript, Vue 3, React (Next.js), Node.js, AdonisJS 6, PostgreSQL, Firebase, Prisma, Docker, Git.
- **Languages:** Spanish: Native; English: Advanced; French: Intermediate;