AIDEN LIAM DE CASTRO

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PROFESSIONAL SUMMARY

Technical Team Lead and Full-Stack Developer with 2+ years of experience specializing in AI-integrated applications and cross-functional team management. Currently pursuing Systems Engineering degree with specialized certifications in AI Programming and Generative AI with AWS. Proven expertise in leading development teams and proficient in Python, JavaScript, and cloud infrastructure deployment. Experienced in building LLM-integrated platforms, managing AWS infrastructure, and coordinating technical projects from conception to delivery.

TECHNICAL SKILLS & EXPERTISE

Intermediate Level:

Team Leadership & Project Management: Leading cross-functional teams • Agile/Scrum • Technical project coordination • Stakeholder management

Programming Languages: Python • JavaScript (Node.js) • SQL • HTML5 • CSS

AI/ML Technologies: TensorFlow • PyTorch • Pandas • Hugging Face Transformers • LangChain • ChatGPT API Integration

Web Development: Flask • FastAPI • React • Next.js • PHP (Laravel basics) **Cloud & DevOps:** AWS (Lambda, ECS, EC2, S3, Cognito, SageMaker) • Azure (fundamentals) • Terraform • Infrastructure as Code

Databases: MongoDB • PostgreSQL • DynamoDB • SQL Server

Design & Multimedia: Adobe Creative Suite • Figma • Video/Audio Production • Ableton Live

Foundational Level:

Networking: CCNP Advanced Routing concepts • Network design principles • System administration
Additional Languages: Java • Go Lang (familiar with syntax and basic concepts) • C++ (fundamentals)
Emerging Technologies: Stable Diffusion • Local LLM deployment • Blockchain concepts

PROFESSIONAL EXPERIENCE

Full-Stack AI Developer | Christian Zurita (Head of Agency, Kinesso) | June 2023 - Present

- **Led development team of 5 engineers** to build AI-powered web applications using Python (Flask/FastAPI) and React/Next.js, resulting in 40% faster project delivery

- **Integrated multiple AI services** including ChatGPT APIs, local LLMs, and Stable Diffusion with custom LoRAs, achieving 70% reduction in content creation time

- **Architected and deployed multiple cloud infrastructures** on AWS using Terraform, managing S3 storage, Cognito authentication, and serverless deployments, reducing infrastructure costs by 30%

- **Improved development team efficiency by 40%** through implementation of automated CI/CD pipelines and infrastructure as code practices

- **Successfully delivered 8 production applications** featuring real-time AI content generation and natural language processing capabilities with 99.9% uptime

Software Development Intern | Cooperativa Crea | *2022 – 2023*

- **Optimized and debugged core system modules** based on institutional requirements, solving processing efficiency issues, and improving readability/scalability of the code.
- **Managed SQL Database administration**, including registry updates, complex query optimization, and generating basic reports for stakeholders.
- **Ensured business continuity** by managing security backups and resolving critical firewall/connectivity issues across the corporate network.
- **Modernized legacy workflows** by implementing software patches and security updates to the enterprise system.

Freelance Audiovisual Producer & Web Developer | Multiple Clients | 2018 - 2022

- **Engineered 15+ high-performance websites** using custom CMS architectures and e-commerce integrations, maintaining a 95% client satisfaction rate through iterative delivery and agile feedback.
- **Architected and maintained technical infrastructure** (VPS management, SSL configuration, and CDN integration), ensuring 99.9% uptime and optimized load speeds for global audiences.
- **Developed comprehensive brand identities and digital marketing assets** for 10+ businesses, creating cohesive visual languages that scaled brand reach across web and social media platforms.
- **Successfully managed end-to-end project lifecycles** for a diverse portfolio of clients, balancing technical development with creative audiovisual production to deliver unified digital experiences.

Web Developer | VASEGIN CÍA LTDA | 2018 - 2019

- **Developed and maintained** corporate website vasegin.com with custom PHP backend
- **Implemented technical support systems** reducing downtime by 30% through proactive monitoring
- **Managed database optimization** improving site performance by 45%

English Instructor | Meridian Language School | 2018 - 2020

- **Taught English to 50+ students** with B2 proficiency certification, developing curriculum and assessment materials
- **Achieved 95% student satisfaction rate** through innovative teaching methodologies and personalized learning plans

EDUCATION

Bachelor of Systems Engineering (9th Semester - Expected Graduation 2026) Universidad Politécnica Nacional, Quito, Ecuador

IELTS English Certificate - B2 Level | Education First | 2019

CERTIFICATIONS & PROFESSIONAL TRAINING

AI Programming with Python Nanodegree | Udacity | October 2024 - February 2025 *Machine Learning, Neural Networks, Deep Learning with Python*

Generative AI with AWS Nanodegree | Udacity | September 2024 - November 2024 *AWS SageMaker, Model Deployment, Serverless AI Applications*

GitHub Foundations Certification | Microsoft/GitHub | 2024 *Version control, collaboration workflows, repository management*

CCNP: Advanced Routing Learner Badge | Cisco | 2024 *Advanced routing protocols, network design, and troubleshooting*

AWS Solutions Architect Associate | Amazon Web Services | Expected Q2 2026 *Advanced AWS architecture, scalability, security, and cost optimization*

PROJECTS & ACHIEVEMENTS

AI-Powered Content Generation Platform

- Built full-stack application integrating ChatGPT API and Stable Diffusion for automated content creation
- Implemented user authentication with AWS Cognito and deployed using Lambda functions
- **Result:** Reduced content creation time by 70% for marketing teams

Machine Learning Competition Participation

- **Amazon DeepRacer Student Competition** - Developed reinforcement learning models for autonomous racing

Local AI Model Deployment

- Configured and deployed open-source models (R1, LLama, Stable Diffusion) for local inference

LANGUAGES

Spanish: Native

German: A1

English: Professional Working Proficiency (B2 IELTS Certified)

INTERESTS & HOBBIES

AI Research & Development: Stay current with generative AI advances, experiment with open-source models locally

Multimedia Production: Professional video editing, audio production, and content creation with Adobe Creative Suite and Ableton Live **Hardware & Infrastructure:** Custom PC building, server configuration, network design, and RAID system implementation

KEY ACHIEVEMENTS SUMMARY

- **Team Leadership:** Successfully led cross-functional teams of up to 5 developers on AI integration projects
- **Technical Innovation:** Reduced content creation time by 70% through AI-powered automation solutions
- **Infrastructure Optimization:** Achieved 30% cost reduction through efficient AWS architecture across multiple deployments
- **Client Success:** Improved client conversion rates by 50% average through optimized development practices
- **Operational Excellence:** Maintained 99%+ uptime across all managed systems and applications