Alejandro Lopez
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Summary
Results-driven Software Engineer with 4+ years of full-stack and AI-focused development, specializing in cloud-native architectures and data-driven solutions. Skilled at collaborating with teams to translate business requirements into scalable software.

Core Skills

- **Programming Languages:** Python, C#, Java, JavaScript, SQL, GraphQL
- **Frameworks & Libraries:** .NET Core, React, Angular, Node.js, Flutter
- **Cloud & DevOps:** AWS (Lambda, S3, EC2), Azure, Firebase, Docker, GitHub Actions (CI/CD)
- **AI/ML & Generative AI:** OpenAI API, Prompt Engineering, MLOps
- **Data & Analytics:** ETL Pipelines, Big Data (JSON, XML, CSV), MSSQL, MongoDB
- **Integrations & APIs:** Shopify, TikTok, Amazon, Walmart, Meta APIs
- **Languages:** English (Native), Spanish (Fluent), Portuguese (Fluent)

Professional Experience

GoDataFeed – Software Engineer
Jan 2022 – Present

- Developed Python-based generative AI tools using OpenAI API to streamline data workflows, reducing manual effort by 40%.
- Architected serverless solutions with AWS Lambda and S3, cutting infrastructure costs by 30%.
- Built and maintained robust data synchronization pipelines for 10+ e-commerce platforms processing over 1M transactions daily.
- Led front-end and back-end feature development (.NET Core, React, Angular) for a high-traffic SaaS platform.

Professional Computer Solutions.org LLC – Software Engineer Intern
Jul 2020 – Jul 2021

- Modernized legacy ASP.NET and SQL database systems into responsive web applications, improving data access speeds by 45%.
- Partnered with product and QA teams to define features and deliver MVPs under tight deadlines.

Key Projects

Aloz Data Visualization Suite *(Flutter, Firebase)*

- Created dynamic dashboards with multi-format HTTP request visualizations (JSON, XML, CSV).
- Implemented reusable chart components (bar, line, pie, table) with customizable field mappings.

Collei Interactive Portfolio *(Flutter, Firebase, OpenAI)*

- Built real-time portfolio featuring an AI assistant for content retrieval and GitHub commit integration.
- Developed CMS controls and audio-reactive shaders; managed assets through Firebase.

AI-Powered E-commerce Analytics *(C#, REST APIs)*

- Engineered reporting engine processing data from 500+ stores; delivered SEO and pricing insights via Google Shopping API.

AI Command Assistant *(Python, OpenAI API)*

- Created CLI tool supporting voice and text interactions with context-aware responses using OpenAI's GPT models.

Education
B.S. Computer Science, Minor in Business & Mathematics
Nova Southeastern University | May 2022 | GPA: 3.4

Certifications & Achievements

- ClW Internet Business Associate
- Adobe Certified Associate (Graphic Design)
- 1st Place, Healthcare Hackathon (2020) – Developed AI-driven diabetic care mobile app

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Collaboration & Learning

- Mentor and resource for colleagues on AI integration, prompt engineering, and cloud best practices.
- Contributor to open-source AI and data visualization projects.
- Continuing professional development through courses in Advanced MLOps and Cloud Scalability.