LUIS LOZOYA

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LinkedIn · Portfolio · GitHub

Full Stack Software Engineer with 4+ years of experience delivering scalable, cloud-native applications with a strong security-first mindset. Specialized in React and Next.js, with deep expertise in AWS (Lambda, Amplify, Cognito, S3) and modern database technologies including Supabase and Squid. Proven leader in shipping production-ready MVPs under tight deadlines, integrating GenAI features, and designing secure authentication and authorization flows. Recognized for technical innovation as HackOps 2024 Winner and active contributor to Charleston's tech ecosystem.

QUALIFICATIONS/SKILLS

Security Fundamentals:
OAuth, Certificates, FusionAuth, Metasploit, Wireshark, Burp Suite

Artificial Intelligence
Large Language Models (LLMs), Vector Databases, RAG Architecture, Model Training & Optimization

Front-End Technologies
React, Next.js, Angular, Svelte, Python, HTML5, CSS3, JavaScript, TypeScript, Bootstrap, Tailwind CSS

Back-End Technologies
MongoDB, Cosmos DB, MySQL, Supabase, Squid, Rest APIs, NodeJS, Express

DevOps & Cloud
AWS (Lambda, Amplify, Cognito, S3, CloudFront), Azure (Functions, Pipelines), GitHub Actions

Tools:
Git, Cypress Testing, PowerBI, HubSpot, Zendesk

Collaboration & Leadership:
Problem Solving · Collaboration · Team Mentorship · Code Reviews · Agile Collaboration · Adaptability

EXPERIENCE

Freelance Full Stack Software Engineer (Contract) | July 2023 – Present

- **Global Digital Needs Agency (g/d/n/a) | March 2024 – Present**
    - Spearheaded end-to-end development of MVP React applications using AWS Lambda and Amplify, accelerating delivery and reducing time-to-market by 40%.
    - Engineered real-time UI experiences and secure authentication flows using Next.js 14 Server Components and AWS Cognito, enhancing responsiveness and overall UX.
    - Integrated Squid AI and Cursor to deliver intelligent developer tools and search experiences, streamlining internal workflows and boosting productivity.
    - Architected scalable hybrid infrastructures using AWS and MongoDB, optimizing performance and maintainability across rapidly growing applications.

- **Querri | August 2023 – March 2024 (8 months)**
    - Created responsive Svelte applications to enhance UI performance and user engagement.
    - Implemented FusionAuth for secure authentication, improving overall security posture.
    - Developed a custom HubSpot-powered website with advanced functionality through custom code.

- Upstate Nutrition Consultants, Inc **| July 2023 – August 2023 (2 months)**
  - Built and maintained web pages to elevate user experience and engagement.
  - Introduced new features to meet business requirements and improve overall performance. • Collaborated closely with the CEO to translate vision into functional web solutions.

Interloop Technologies, Inc – Charleston, SC **| July 2021 – June 2023 (2 years)**
Software Engineer II | November 2022 – June 2023 (8 months)
- Led multiple high-impact projects using Angular, NestJS, and MongoDB, improving scalability and efficiency.
- Created and managed Azure Functions to automate processes, reducing operational costs for clients.
- Mentored junior developers through code reviews and pair programming, increasing their productivity and onboarding efficiency.

Software Engineer I | July 2021 – November 2022 (1 year, 4 months)
- Developed custom Chrome extensions integrated with CRM tools via RESTful APIs and OAuth2.0.
- Improved application reliability by implementing test plans and automation using Cypress, optimizing testing speed and accuracy.

Coastal Millwork and Supply, LLC – Summerville, SC
Various Roles | September 2015 – June 2021 (5 years, 9 months)
- **Business Developer / Estimator:** Managed 6-8 bid proposals per week for commercial millwork projects, ensuring accurate cost data, material listings, and labor estimates under tight deadlines.
- **Project Design Engineer:** Led the design and execution of 30+ high-end commercial millwork projects, including Mt. Pleasant Town Hall, Volvo Manufacturing, and Google Charleston Office.
- **Field Project Manager:** Supervised the installation of 5 large millwork projects, ensuring on-time delivery and adherence to client specifications and budget goals.

EDUCATION

Purdue University Northwest – Online
Cybersecurity Path – System Administration | March 2022 – May 2023

JRS Coding School – The Harbor Entrepreneur Center – Charleston, SC
Full Stack Developer | November 2019 – October 2020

IE University – Segovia, Spain
Bachelor's Degree, Architectural Engineering | August 2006 – March 2012

CERTIFICATES & TRAINING

- GIAC Foundational Cybersecurity Technologies (GFACT) – SANS Institute (2026)
- Google AI Essentials – Coursera & Charleston Learning Center (2025)
- GenAI Enterprise Bootcamp (2025)
- Generative AI Fundamentals – Databricks (2024)
- Pre Security Learning Path – TryHackMe (2023)
- Introduction to Cyber Security Learning Path – TryHackMe (2023)