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# Xavier Alejandro Loera Flores

## Software Engineer

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Portfolio: https://loeraflores.com

Dedicated and skilled software engineer with 3 years of hands-on experience in developing robust and scalable applications within the Node.js/Next.js ecosystem. Seeking a challenging and impactful role where I can grow and contribute to the success of a dynamic team.

## SKILLS

**Languages :** Go/Golang, TypeScript, Python, JavaScript, Java, Swift, SQL (PostgreSQL, MySQL)

**Backend :** Fiber, Node, Express, Flask, FastAPI, Cloud Computing, REST, gRPC, CORS, JWT, NumPy, Pandas, ORM(Drizzle, Prisma)

**Frontend :** React, Next, Svelte, SvelteKit, TailwindCSS, HUGO, HTML, CSS

**Tools :** Git, Docker, AWS (EC2, S3), GitHub Actions, Vercel, Railway, Netlify, Insomnia, Postman

**AI/ML :** Natural Language Processing, SciKit-Learn, NLTK, Predictive Modeling, Model Persistence & Deployment, OpenAI API(Chat, Text)

## PROJECTS

**Scam Scanner: Machine Learning Scam & Fraud Call Detection System**, GitHub | Live | DevPost

- Engineered an end-to-end scalable AI powered multimodal real time detection system by integrating LLMs & eLLMs using Flask & Next.js.
- Awarded Groq's "Star Award" by leveraging Groq's chat based LLM to summarize & analyze call transcripts for key insights.
- Awarded Hume AI's "Most Socially Impactful Empathic AI Integration" by leveraging Hume's Empathetic Voice Interface, Expression Measurement API, & Custom Models API to develop an empathetic AI system trained on voicemails to detect scam calls in real time.

**Machine Learning Content Moderation System**, GitHub | Live

- Preprocessed over 50 thousand Tweets for training using Natural Language Processing (NLP) techniques using Pandas & NLTK.
- Developed, trained, & persisted 3 linear regression machine learning models using Scikit-Learn that classify offensive text.
- Engineered an end-to-end text based social media feed similar to Twitter using FastAPI, Next.js, & PostgreSQL.
- Integrated the machine learning model into the posting system to automatically classify and moderate user generated content.

## EXPERIENCE

**Fullstack Developer & Amazon Software Engineering Mentor II**

Feb 2023 — Present

Fullstack Academy

Remote

- Mentored over 100 Amazon software engineers every 6 months and provided guidance, assistance, & reviews for over 100 weekly projects using technologies such as HTML, CSS, JavaScript, React, Node, Express, PostgreSQL, MongoDB, Netlify, AWS, & Git.
- Developed several apps & services using Next.js, Node, & React to help facilitate the needs of the class as well as one static knowledge base using markdown & HUGO featuring supplemental technical learning material.

**Automation Developer (Contract)**

May 2022 — Dec 2022

Begin Software

Remote

- Integrated multiple APIs & webhooks from our clients' choice SAAS services, applications, & databases in over 20 custom developed data centric automations to improve internal business workflows, customer experience, or prospect acquisition.
- Developed an automation for a client that saves their CEO over 2 hours per day & converts more paying business customers by storing & tracking contact details/sales progress to timely send call to action emails at different pipeline stages.

**Software Engineer**

Feb 2022 — Aug 2022

Influencer

Remote

- Developed several backend services relating to user public profiles, advertisement listings, Stripe, & social media integration using Node(TypeScript), Express, PostgreSQL, & Prisma in accordance with the MVP specifications & feature set.
- Set up client hosting, DNS/domain registration, & AWS EC2/S3 while assisting with developing the React dashboard & landing page.

**React Developer & Community Manager (Contract)**

Aug 2021 — Mar 2022

MappyCoin

Remote

- Developed several pages & components in React from design mockups into a responsive website 1 month ahead of schedule.
- Promoted to include management of a community with over 3000 members & assistance with business and product development.

**Fullstack Developer (Internship)**

May 2021 — Aug 2021

CodePath

Remote

- Co-developed Kurios, a crypto currency dashboard using React, Node, Express, PostgreSQL, & Material-UI while practicing Scrum through team meetings, daily stand-ups, code reviews, & sprint planning with engineers.
- Performed 35,000 daily cron-scheduled API calls to retrieve & store real time price data for six currencies saving \$600/month.
- Showcased a "professional" level of technical discipline & collaborative communication as measured in an evaluation rubric graded by my supervisor by exceeding intern level expectations & delivering a robust project.

## EDUCATION

**Bachelor's of Science in Computer Science**, Western Governors University

Dec 2022 — May 2024

**Fullstack Web Development Bootcamp**, San Jose State University

May 2021 — Nov 2021

**Associate's of Science in Computer Information Systems**, Mission College

Aug 2020 — Dec 2022

**Associate's of Arts in Liberal Arts: Natural Science and Math**, Mission College

Aug 2017 — May 2020