

Xavier Hollingsworth

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EXPERIENCE

Full-Stack Lead Software Engineer — Product Creator Application

Mar. 2023 – Present

Booz Allen Hamilton

San Francisco, CA

- Leading a cross-functional engineering team of 6 in developing a full-stack enterprise application, architecting scalable solutions using Angular and Nest.JS. Established coding standards and mentor juniors that improved code quality metrics by 30% and reduced onboarding time from 2 weeks to 4 days
- Architected a PostgreSQL database schema for product metadata and user workflows, optimizing query performance by 30% through indexing and denormalization strategies.
- Designed an Elasticsearch REST API w/ reverse indexing enable sub-second product searches across 10M+ records.

Lead Front-end Software Engineer/Full-stack

Apr. 2021 – Mar. 2023

Deloitte

Orlando, FL

- Led front-end development of an internal Business Processor Modeling Notation (BPMN) tool to automate enterprise workflow design in React.
- Developed and maintained a 2M+ MAU user facing application. Helped reduce latency by ~ 20% through Node/Express microservice optimization and Redis caching.

DevOps Engineer

June 2020 – April 2021

Asurion

Orlando, FL

- Drove cloud infrastructure modernization and CI/CD automation for a 10M+ user device repair platform, integrating AI/ML ops to optimize system performance.
- Migrated Jenkins-based CI/CD pipelines to AWS CodeBuild/CodePipeline, achieving ~ 40% and \$100K+ cost savings via serverless architecture, containerized developer environments and resource auto-scaling.

PROJECTS

Full Stack Real-time AI Chat App | *JS/TS, React, Node/Express, Next, Tailwind, Mongo,*

Jan 2023 – Apr. 2024

Postgres, Firebase, Heroku, Vercel, GCP

- Architect & built a full stack application that allows users to message each other, communicate as well as communicate with different versions of ChatGPT.
- [Live Demo](#) | [GitHub Repo](#)

Custom User Authentication and Authorization Microservice Plug | *Node, Type-*

Jan 2023 – Jan 2024

Script/JS, Express, Mongo, Docker, Jest, Postgres

- Created reusable user authentication and authorization service/plugin with full password encryption and 90%+ test coverage using test-driven development and OAuth integration as well as JWT.
- [GitHub Repo \(User Auth Micro-service\)](#)

Randomized Optimization Model | *Python, scikit-learn, Kaggle*

Sep. 2024 – Jan. 2025

- Analyzed optimization algorithms (Random Hill Climbing, Genetic Algorithms, Simulated Annealing) on a Phishing dataset, implementing custom Flip Flop and Four Peaks fitness functions that achieved 87% accuracy versus traditional Neural Network backpropagation.
- [GitHub Repo](#)

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Master's of Computer Science, Specialization in AI/Machine Learning, GPA: 4.0

Jan. 2024 – 2027

Oregon State University

Corvallis, Oregon

Bachelor's of Science in Computer Science GPA: 3.8

June 2017 – April 2020

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, HTML/CSS, Go (Novice)

Frameworks/Libraries: React, Node.js, Express, Next.JS, FastAPI, Nest.JS, TensorFlow, Pytorch, OpenAPI, sklearn, Hugging Face, ollama

Tools/Technologies: Docker, Google Cloud Platform (GCP), AWS, Jenkins, Redis, ElasticSearch, PostgreSQL, Firebase, Supabase, MongoDB