Xavier Hollingsworth

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EXPERIENCE

Full-Stack Lead Software Engineer — Product Creator Application   Mar. 2023 – Present
Booz Allen Hamilton   *San Francisco, CA*
- Lead a an engineering team of 6 in developing a full-stack application, engineered using Angular and Nest.JS.
- Established coding standards and mentor juniors that improved code quality metrics by 20% and reduced on-boarding time from 2 weeks to 4 days.
- Designed and implemented a PostgreSQL database schema for product metadata and user workflows, optimizing query performance by ∼30% through indexing and de-normalization strategies.
- Integrated Elasticsearch REST API w/ reverse indexing to enable sub-second searches across 10 M+ records.
- Collaborate with multiple cross-functional teams, client and product managers to deliver milestones ahead of time.

Lead Front-end Software Engineer/Full-stack   Apr. 2021 – Mar. 2023
Deloitte   *Orlando, FL*
- Led front-end development team of 3 engineers while mentoring juniors and building an internal facing Business Automation tool to automate enterprise workflow design that was used by hundreds of teams across the company.
- Developed and maintained a 2 M+ MAU user facing application. Helped reduce latency by ∼20% through Node/Express microservice optimization and Redis caching.

DevOps Engineer   Jun. 2020 – Apr. 2021
Asurion   *Orlando, FL*
- Drove cloud infrastructure modernization and CI/CD automation for a 5M+ user platform to optimize system performance.
- Migrated Jenkins-based CI/CD pipelines to AWS CodeBuild / CodePipeline, achieving ∼30% reduced deployment times and $100K+ cost savings via serverless architecture, containerized developer environments, resource auto-scaling.

PROJECTS

Full Stack Real-time AI Chat App | *JS/TS, React, Node/Express, Next, Tailwind, Mongo, Postgres, Firebase, Heroku, Vercel, GCP*   Jan. 2023 – Apr. 2024
- Architect & built a full stack application that allows users to message each other and communicate with different models of ChatGPT.
- **Live Demo** | **GitHub Repo**

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 80% accuracy versus traditional Neural Network backpropagation.
- **GitHub Repo**

Custom User Authentication and Authorization Microservice Plug | *Node, TypeScript/JS, Express, Mongo, Docker, Jest, Postgres*   Jan. 2023 – Jan. 2024
- Developed a 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)**

EDUCATION

Georgia Institute of Technology   Atlanta, GA
Master's of Computer Science, Specialization in AI/Machine Learning, GPA: 4.0   *Jan. 2024 – May 2027*

Oregon State University   Corvallis, Oregon
Bachelor's of Science in Computer Science   *Jun. 2017 – Apr. 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, REST APIs