

# Xavier Hollingsworth

## Full Stack Software Engineer

Focused on full-stack web application engineering and machine learning engineering looking to work on the forefront of technology. Masters student at Georgia Tech for CS specializing in Machine Learning.

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## WORK EXPERIENCE

### Full-Stack SE / Lead

#### Booz Allen

03/2023 - Present

##### Achievements/Tasks

- **Node/Express, React, Angular, Python, MongoDB, PostgreSQL, Docker, Linux, NestJS, TailwindsCSS**
- Full-stack/lead engineer leading the creation of a product creator application. Built pages & components in Angular 15 & connected the logic to back-end. Wrote controllers and services in NestJS and integrated with Elasticsearch and front-end. Designed and coded the Elasticsearch REST API using Python3 to quickly search for products via reverse indexing and store data centrally for the application. Accounted for roughly ~50% of the front-end development of application, leading 6 engineers. Heavily involved in architecture and design including PostGres DB.

### Full Stack Software Engineer/Front-End Lead

#### Deloitte

04/2021 - 03/2023

##### Achievements/Tasks

- **[React, Typescript/Javascript, MongoDB, Docker, NodeJS]**  
-Front-end lead/full-stack engineer working internally for the Software Factory. Tasked with building a custom Business Process Modeler Notation (BPMN) using React/TypeScript, and connecting it to the Python FastAPI backend via routes. Was also responsible for writing the backend services and controllers for file and file metadata logic. Orchestrated the design + architecture of the front-end application leading 3 engineers and 1 designer.
- **[React, Javascript, Java, PostgreSQL, Express, Node, Jest]** - Full-stack engineer for IRS developing a 1M+ user facing application.

### DevOps Engineer

#### Asurion/UBreakiFix

06/2020 - 04/2021

##### Achievements/Tasks

- Heavily focused on AWS. Built & deployed Docker containers to create dev environments, improving developers workflow by ~20%. Created several pipelines to automate deployments and decrease deployment time by > 50%.

## EDUCATION

### OMSCS MS in AI/Machine Learning

#### Georgia Tech

01/2024 - Present

GPA: 4.0

##### Courses

- Machine Learning, Reinforcement Learning, Deep Learning

### Bachelor's of Science in Computer Science

#### Oregon State University

06/2017 - 04/2020

GPA: 3.7

## TECHNICAL SKILLS

### Software Languages and Skills

Python, JavaScript, TypeScript, Machine Learning, Reinforcement Learning, Deep Learning

### Tools/Frameworks/APIs/DBs

React, Node.js, Angular, React Native, , Express, Next.js, AWS, GCP, Docker, MongoDB, PostgreSQL, Firebase, Mocha, Chai, Tailwind, TensorFlow, Pytorch, Pandas, OpenAPI, Linux, CI/CD (Jenkins, CodePipeline), scikit-learn, Hugging Face, FastAPI

## PERSONAL PROJECTS

### XSJ Full-Stack AI Chat App (01/2023 - 08/2023)

- **Javascript/Typescript, React, Node/Express, Next, Tailwind, , MongoDB, PostgreSQL, Firebase, Heroku, Vercel, GCP**
- Architected & built a full stack application that allows users to message each other, communicate as well as communicate with different versions of ChatGPT. Also able to login & signup to the website with my custom crafted user-auth microservice.
- <https://xsj-ui.vercel.app/>
- <https://github.com/XavierElon/xsj-consulting-ui>

### Blog (05/2024 - Present)

- **Hugo, Javascript, HTML/CSS**
- <https://wtftprogramming.io>

### OMSHUB (Open Source) (07/2024 - Present)

- **React, Next, TypeScript, Node, PrismJS, FireBase, Jest** - OS full-stack contributor to website for rating GATech courses. <https://www.omshub.org/>

### User Authentication and Authorization Microservice (01/2023 - Present)

- **Node, Typescript, Express, Mongo, DevContainer, Docker, Jest**
- Created a user authentication and authorization service with full password encryption and 90%+ test coverage using test-driven development. This is a reusable microservice that could be used for any application. <https://github.com/XavierElon/xsj-users-microservice>

### Youtube Algorithms & Coding Channel (JAVA) (08/2018 - 01/2022)

- Coding/algorithms focused channel. 4000+ subscribers.  
[https://www.youtube.com/channel/UCkzn\\_i33n79ljur943FIMqgw](https://www.youtube.com/channel/UCkzn_i33n79ljur943FIMqgw)

## CERTIFICATES

### Google Cloud Associate Engineer (12/2023 - Present)

ID: f51b08def86c47abaa0777466edc4d34

### AWS Certified Cloud Practitioner (09/2020 - Present)

ZTDN67LKNF1E1C5R

## HACKATHONS

### Deloitte Blockchain Guild NFT Hackathon (01/2022 - 03/2022)

Led a team of 3 to create an NFT identity management system. Placed 1st out of 33 teams.  
<https://github.com/XavierElon/bit-of-tech>

### Strong Compute AI Chess Hackathon (12/2024)

Placed 3rd in a hackathon at SF startup building a Chess ML model and battling the model against the other contestants using StockFish as the judge