

William Holloway

Senior Software Engineer

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SUMMARY

I am a Senior Software Engineer who is really passionate about studying up-and-coming technologies and implementing them into projects, and Senior Full-Stack Developer with proven success in building web applications, successful algorithms & predictive models for different industries. Passionate engineer & thriving analyst with the ability to apply ML techniques & algorithm development to solve real-world business problems. I aim to build highly responsive, efficient, optimized, and performant services.

SKILLS

- **Language:** JavaScript, TypeScript, C/C++, C#, Java, Python, Go, R, Solidity, PHP, SQL, Rust
- **Framework/Library:** React, Angular, Vue, Next.js, Node.js, Express, ASP.NET, Ruby on Rails, Django, Flask, FastAPI, PHP, Laravel, Flutter, React Native, Kotlin
- **Database:** MySQL, PostgreSQL, MongoDB, AWS S3, Pinecone
- **Others:** Rest API, WordPress, CI/CD, Git, Docker, Kubernetes, AWS, Azure, GCP, Kafka, CRM, Material UI, Linux, Agile, Swift, Problem Solving, Algorithms, Data Structure, Data analysis, Project Management, highly communication & teamwork

EXPERIENCE

Senior Software Engineer, Team Lead

Green Hills Software (Contract), Sep 2021 – Present

- I have extensive experience in JavaScript and TypeScript, using React, MobX, and Material-UI (MUI) for front-end development. Additionally, I've worked with Node.js, Express, GraphQL, and Gatsby for full-stack web applications, and I've leveraged WordPress for content management.
- As a Technical Lead in the software development department, I have spearheaded the creation of sophisticated CRM systems tailored to the distinctive requirements of the US, Israeli, and Danish markets.
- Increased the customer traffic by 10% compared to the previous year by refactoring the food delivery system using React, Node, PostgreSQL, and AWS Services, implementing the food recommendation system which used the NLP model, and implementing the real-time chat with chatbot.
- Developed and managed applications using cloud platforms such as AWS S3, Lambda for deploying and managing applications
- Designed and developed a new rule-based machine translation engine, which enhanced quality and processing time by 60%.

Senior Full-Stack AI Developer

Lumina (Full-time), May 2017 – Sep 2021

- Collaborated with client teams to onboard new models and algorithms and design end to end data pipelines.
- Building, maintaining and optimizing end-to-end infrastructure to support automatic ad creation using computer vision and deep learning.
- Ideated and implemented the early machine learning and reinforcement learning models that learned when and to whom to display advertisements and offers based on each shopper's digital journey.
- Developed and maintained Computer Vision and NLP models which was being used for part of backend of Web application by using various Machine Learning Algorithms, AWS Services (S3, EC2, ECS, EKS, Lambda, SageMaker), Docker and Kubernetes.
- Developed frontend applications using TypeScript, React, Angular and Redux, building interactive and user-friendly interfaces for web and mobile platforms.
- Developed and maintained 10+ backend systems, RESTful APIs and microservices using Golang, Java Springboot, Python and .NET.
- Developed assorted auto-scalable microservices written in Golang and Python to scrape and save business data over uncountable business listing and review sources like Yelp, Google, and Facebook, always complying with GDPR.

Software Engineer

Trilogy (Full-time), Jun 2014 – Feb 2017

- Implemented various private APIs on a Node.js and MongoDB backend
- Designed and developed front-end components using React, AngularJS, Vue, JavaScript, HTML5, and CSS3 to enhance the user interface and overall user experience.
- Development diagrams-based web UI to edit and create lifecycles (JavaScript, knockoutJS, jointJS).
- Maintained the back-end server using Express.js for monitoring Ethereum smart contracts.
- Contributed to adding and updating API endpoints using Laravel.

Software Engineer Intern

Trilogy, Jul 2013 – Jun 2014

- Worked in a small team on a few different projects, mostly frontend and mobile. Used some React, React Native, python. Learned a lot in trying to keeping up with a fast, versatile team.
- Created and managed 5 appealing frontends using Angular and React.js/Next.js.

EDUCATION

Bachelor's Degree of Computer Science

Texas State University, TX, US, May 2009 - Jun 2013