

Nicholas Blankenship

Senior Software Engineer

CONTACT INFORMATION

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OBJECTIVE

Results-driven senior Full Stack Engineer with over 9 years of experience designing and implementing complex web applications. Skilled in both front-end and back-end tech stacks, proficient in multiple programming languages, and adept at collaborating with cross-functional teams to deliver high-quality solutions. Known for problem-solving abilities, strategic thinking, and a passion for staying ahead of industry trends. Seeking to leverage my expertise to drive innovation and contribute to the success of a dynamic tech team.

EXPERIENCE

Chattanooga, TN
Jan 2021 - Present

Senior Full Stack Developer
Top Flight

- Designed and developed +6 web applications including **E-commerce** platform utilizing **React.js**, **Node.js**, **AWS**, **GraphQL** and **Docker**.
- Contributed significantly to the development and improvement of an E-commerce platform and reduced response time from **4.36s** to fewer **2.40s**.
- Developed admin dashboards that includes interactive data visualization charts and event timelines with **D3.js** and responsive **3D** design feature using **Three.js**.
- Implemented a multi-layered defense strategy by configuring **AWS Shield** for real-time **DDoS attack** detection and mitigation, and leveraging **AWS WAF** to filter and block malicious traffic, ensuring the availability and security of critical web applications.
- Optimized performance and scalability of **E-learning** platform by leveraging AWS services such as **Elasticache** for Redis caching and **AWS DynamoDB** for database management, resulting in a **18%** increase in customer satisfaction.
- Led the development of a Java-based **GPS tracking platform**, capable of handling real - time location data from thousands (10, 000+) of devices simultaneously.
- Implemented robust data storage and retrieval mechanisms using Java frameworks like **Hibernate** and **Spring Boot**, ensuring efficient querying and retrieval of location data for analysis and reporting purposes, handling large datasets (millions+) of location records seamlessly.
- Deployed a comprehensive **CI/CD** pipeline for +6 repositories, leveraging **Jenkins** and **Docker** to automate testing and deployment workflows, driving significant gains in accuracy and operational effectiveness.
- Conducted 3 reviews resulting in a **32%** reduction in bugs, **21%** reduction in type - related errors and provided mentorship to 3 junior developers to improve code high - quality and faster developing speed.

Boston, MA
Jul 2018 - Dec 2020

Full Stack Developer
SimScale

- Updated SimScale Fluid simulation architecture to **150%** efficiency by building AWS microservices architecture with **Node.js**, **Vue.js**, **MongoDB**, **AWS Lambda**.
- Boosted platform observability through integration of **Datadog** to **CloudWatch** service log streams via **Kinesis Data Firehose**.
- Mentored 2 junior developers on best practices in coding standards, architecture design, and troubleshooting techniques, resulting in improved team productivity and code quality.
- Built a custom **WebSocket** server by **Python** and **Redis** for communication between frontend and microservice message pipeline servers.

Boston, MA
Jul 2016 - Jun 2018

Frontend Developer
SimScale

- Built **Figma** design using **React**, **Redux**, **Material UI**, **HTML**, and **CSS** by collaborating with 1 Designer and 3 Frontend Developers.
- Developed an automated system for tracking customer information with HubSpot and Google Analytics, and increased sales efficiency to **93%**.
- Reduce sales cart abandonment rate by **46%** through A/B testing of different components, representing **\$ 370,000+** in annual revenue.

EDUCATION

Sep 2012 - May 2016

Bachelor at Computer Science
University of Texas at Dallas

STRENGTH

React / Angular / Node.js

Java / Spring Boot

Python / Django

AWS / Azure

SKILLS

JavaScript / Python / Java
Node.js / Spring Boot / Django
Ruby on Rails / Rust / C#
Rest Api / GraphQL / Apollo

React / Next / Vue / Angular
AWS / Azure / GCP
MongoDB / MySQL / PostgreSQL
WebSocket / WebRTC