

Minhan Cao

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Summary

A software engineer with skills and experience in full-stack web development, Db2 database, and machine learning.

Experience

IBM January 2021 - Present
Software Engineer San Jose, CA

- Contributed to open source Presto and Velox
 - Enhanced tracking of current system memory usage for out of memory detection in Prestissimo on Linux machines
 - Enhanced the window fuzzer in Velox to test further scenarios for testing window functions
 - Converted two performance workloads to run on Presto/Velox to test its performance
 - Developed and deployed online infrastructure to deploy Prestissimo clusters with SSD caching
 - Created Grafana dashboards to view metrics from performance workload runs and analyze performance
- Developed better QA infrastructure for a test bucket for testing Db2 database engine code dealing with database upgrades and restores
- Provided QA support to IBM clients via Salesforce regarding Db2 catalog issues
- Investigated and fixed test cases in major test buckets for my team in Db2
- Collaborated and developed with fellow new hires on different teams on a full-stack web app project written in React and Golang that serves to be a dashboard to show users their provisioned resources on IBM Cloud in real-time and notify them when it is currently being under-utilized

Rocket Software June 2019 – December 2019
Software Engineering Intern Campbell, CA

- Used React, TypeScript, and Java to create new components and improve existing features of a UI web application inside Zowe, an open-source framework, to provide customers with a user-friendly experience
- Worked in an agile environment with a small team that helped improve problem solving and communication skills through daily scrum meetings and a Jira ticket tracking system
- Assisted with coding REST API endpoints as needed for new product enhancements
- Gained experience with Git/Bitbucket, Jenkins, legacy software, Db2, and the Mainframe
- Collaborated and presented working prototypes to customers, executives, and UX designers

Education

San Jose State University, San Jose, CA - B.S. in Computer Science, December 2019

Projects

Club Circles Web App

- Built a web application that allows clubs to modify and manage their club information and send out invite codes for new members to join
- Implemented application using the MERN stack (MongoDB, Express.js, React, Node.js)

Stocks Prediction Web App

- Developed a web application that allowed users to view stock data and make predictions on stock movement using LSTM model and sentiment analysis
- Implemented application using React, Node, and Python

Skills

Technical: Java, React, C++, Python, Go, C, C#, Scala, Swift, HTML, CSS, JavaScript, TypeScript, Node.js, Express.js, MongoDB, Perl, Db2, Jenkins, Docker, Grafana

Languages: English, Vietnamese