Haseeb Khan

Software Engineer

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Education

University of Calgary (Sept 2018 – May 2023)
Bachelor of Science in Software Engineering

Work Experience

Replicon – Software Engineer II (Sept 2022 – Present)
- Investigating business impacting customer incidents and efficiently developing resolutions for millions of users.
- Identified and resolved a long-running data reader issue with a microservice, greatly reducing infrastructure cost.
- Optimized timesheet page interaction performance by **83**% through parallelization and refining redundant code.
- Eliminated **115** security vulnerabilities in a core repository by conducting major version upgrades and code rewrites.
- Developed an algorithm to properly display task hierarchy in the user's timesheet task selector.

Replicon – Software Engineer Intern (May 2021 – Sept 2022)
- Improved CI/CD stability of core UI pipeline by **60%** through rewriting WDIO acceptance tests to remove flakiness.
- Enhanced development experience by combining 9 VS solutions into one to reduce processor and disk usage by **45%** and **71%** respectively.
- Created toolsets, issue templates, and team wiki to facilitate knowledge transfer for developer onboarding.

QuirkLogic Inc. – Quality Assurance Intern (Jan 2021 – Apr 2021)
- Completed test activities on hardware, software, and mobile applications for the Papyr and Quilla devices.

Projects

Finberry.ca – Node.js Express.js MongoDB React TwelveData Firebase (Sept 2022 – Apr 2023)
- Developed a fully responsive web application featuring simulated investing to promote financial literacy.
- Optimized for user experience with real-time stock information from Twelve Data presented through MUI components.
- Tested to handle over **10,000** user requests per minute with over **50** concurrently registered users.

Class Reminder Discord Bot – Discord.js (Dec 2020 – Feb 2021)
- Created a bot to send automated reminder notifications to online course participants within Discord servers.
- Developed using a Node.js module and utilized Discord API to process user requests and generate responses.

Skills

- **Languages**: C#, Java, JavaScript, C, C++, Processing, Python, Assembly, NextJS.
- **Technologies**: AWS (RDS, S3, EC2), Git, Jira, MySQL, MERN, .NET, RabbitMQ, Docker, 3D Printing.
- **Hobbies:** Photography, vlogging, traveling, bouldering, shopping, cinema.

Extracurricular Experience

Nanyang Technological University – Summer Exchange (Jul 2022 – Jul 2022)
- Participated in the month-long GEM Trailblazer exchange programme in Singapore to study the Principles and Applications of Bioprinting.

Code the Change – Team Lead (Sept 2020 – Present)
- Collaborating to develop and improve the AXS Map website, a tool designed to map accessibility within communities.