

William Zhao

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WORK HISTORY

Software Test Developer

Scotiabank

Jan 2025 – Present

Scarborough, ON

- Experience with API testing and database validations.
 - Delivered JSON data to IST and UAT environments using **Postman**
 - Ensured all data was successfully pushed into **MongoDB** using **Elasticsearch** and **Argo CD**
- Developed test cases for Enterprise Core Banking Technology.
 - Collaborated with design teams to implement tests with 100% code coverage.
 - Used automated scripts to reduce time manually creating tests.
- Monitored and tracked all defects and issues on **Jira**.
 - Wrote detailed defect tickets and maintained knowledge base on **Confluence**

Software Engineer

ePIC Blockchain

May 2022 – Sept 2023

North York, ON

- Developed Blockchain ASIC software, created and improved Miner API using **Rust**.
 - Added discrete and real-time hashrate calculations using data collected from ASIC miners.
 - Implemented **RESTful API** features that allows pushing and pulling data from various sensors on the miner, such as network info, hashrate, and temperatures.
- Designed and built front-end UI for ASIC miners using **Electron**, **React.js** and **MaterialUI**.
 - Modified elements on webdash and dashboard using customer feedback to increase usability and accessibility.
 - Ensured webdash supports backwards compatibility with older ASIC miner models.
- Disassembled ASIC miners for testing and debugging by diagnosing dead hashboards and reassembling working machines to be delivered to customers.
- Experience working with Windows, MacOS, and Linux in a professional environment. Deployed applications to different operating systems to ensure compatibility.

EDUCATION

University of Toronto

Bachelor of Science in Computer Science and Mathematics

April 2024

SKILLS

Programming Languages: Rust, Python, Java, JavaScript, HTML, CSS, SQL

Technologies: Git, Jira, MongoDB, PostgreSQL, Kubernetes, Docker, AWS, React.js, Node.js,