Steven Shao

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML/CSS, Java, GraphQL, Python
Frameworks: React, NodeJS, Tailwind CSS, Ajv JSON Validator, Jest, Cypress, JUnit, ExpressJS
Libraries: React Router, Redux, Chakra UI
Developer Tools: AWS, Git, VS Code, IntelliJ, Jira, Bitbucket

EXPERIENCE

Software Developer   May 2022 – Dec 2022
Ensemble Systems   *Richmond, BC*
- Improved the company's website user experience by implementing a responsive portfolio page using React, React Router, and Redux.
- Reduced company website load times by 30% by serving images in webp format.
- Led development for a multimedia player using React, Chakra UI Library, and NodeJS.
- Automated file upload to AWS S3 and cache invalidation with AWS Cloudfront by designing an execution script using NodeJS, coordinating with the DevOps team.
- Took initiative in researching and creating a proposal to implement OAuth authentication with AWS Cognito, successfully incorporating the prototype into the MVP release.
- Wrote unit, integration, and E2E tests with Jest and Cypress, achieving 90% code coverage.
- Maintained a mock API to be used during development of media apps using NodeJS, ExpressJS, and GraphQL.

Development Support   June 2020 – Sept 2020
Electronic Arts   *Burnaby, BC*
- Performed ad-hoc, accessibility, destructive, stability, shelf, alpha/beta checklist testing, regression, and followed up on NMI tickets.
- Led teams of up to 22 testers to perform stability testing.
- Prioritized concise communication with the QA and development teams, ensuring bugs were logged and resolved.
- Reproduced and followed up on older tickets, resulting in over 80% additionally resolved.
- Wrote cohesive bug reports, attended meetings with other project teams, and monitored team channels for communication.

EDUCATION

University of British Columbia   Sept. 2020 – Apr 2025
Bachelor of Science in Computer Science   *Vancouver, BC*
- **Academics:** 4.1/4.33 Cumulative GPA
- **Scholarships:** University of British Columbia Tuum Est Award, BC Achievement Scholarship

PROJECTS

Personal Website | *TypeScript, React, Tailwind CSS*   May 2023 – Present
- Supports all major browsers and mobile resolutions.

Web Scrapers | *Python, Selenium*   June 2021 – July 2021
- Sped up Best Buy checkout by 50% by automating multiple steps.
- Auto-notify for open test booking slot (ICBC).

Wikipedia Mediator | *Java, JUnit, Gson*   Jan 2021 – Apr 2021
- Thread-Safe Server-based tool to process different analytics.
- Used the JWiki API to implement a class to handle multiple concurrent requests to the Wikipedia API.
- Parsed and Logged JSON files using the Gson library to ultimately host a server.
- Tested with Gradle and JUnit to achieve 95% code coverage.
- Computes shortest path between two Wikipedia pages.

ACTIVITIES AND LEADERSHIP

UBC Current: Competitive Dragonboat team based from UBC.
HillHouse Education: Organized one-on-one private lessons and group lessons of up to three students.