

BILL SHENG

billsheng.com
billxsheng@gmail.com
github.com/billxsheng
linkedin.com/in/billxsheng

SKILLS

Languages: Java, JavaScript, SQL, Swift, Python, Ruby, HTML/CSS, Typescript, VBA
Frameworks and Libraries: Node.js (Express & Socket.io), Spring, Ruby on Rails, React/React Native, Angular
Database and Tools: MongoDB, PostgreSQL, MySQL, Git, Xcode, JIRA, Postman
Infrastructure: AWS, Docker, Kubernetes, VMWare, Jenkins, PowerShell, Bash, Heroku, RDS

EXPERIENCE

Full Stack Developer, Web and Mobile | OpenText (AppWorks Team) *January 2019 - April 2019*

- Heavily engaged in the planning/development of a PaaS Cloud Console that provides cloud computing resources, content management systems, microservices, and deployment tools for clients and OpenText teams
- Developed monitoring services with Spring framework to provide insight on numerous Java agents running on external systems; allowed development team to simultaneously analyze multiple automated build jobs
- Containerized applications and databases using Docker and wrote deployment scripts in Bash to optimize infrastructure processes across team projects
- Practiced test-driven development; wrote automated integration tests using JUnit and Jasmine with Jenkins CI/CD
- Upgraded, optimized, and migrated 2000+ lines of TypeScript in high-profile hybrid dashboard used by 500+ clients

Freelance Software Developer | Self-Employed *May 2018 – January 2019*

- Interfaced with local businesses to build several full stack applications using React, Angular, Node.js, and AWS
- Streamlined dynamic content management with MongoDB for low-code versatility; decreased existing redeployment instances by 90%

Technical Specialist | Canadian Tire Corporation (IT/EIS Services Team) *May 2018 – August 2018*

- Wrote PowerShell scripts for seamless configuration of 20+ enterprise servers; used across IT community
- Engineered large-scale virtualized deployments using VMWare in an agile environment

PROJECTS

Huddle | React Native, Java (Spring), MySQL *January 2019 - April 2019*

- A mobile social media service that connects sports fans while supporting local venues
- Utilized MVC design pattern to establish application flow between REST API endpoints, database, and client

AirDrums (UofTHacks 2019 Winner) | Python, OpenCV, Matplotlib *January 2019*

- A drum kit simulation program created using computer vision that allows users to play drums in any setting
- Developed object color detection software using Python with OpenCV and Matplotlib libraries

Blitz | Angular, Node.js (Express), MongoDB *May 2018 - August 2018*

- A notification system for NFL fans that sends real-time game updates via Twilio SMS microservices; created for fans without cellular data
- Integrated OAuth 2.0 and cookie-based authentication for standardized cross-app cybersecurity

EDUCATION

University of Waterloo | Management Engineering (B.A.Sc.) *September 2017 - April 2022 (expected)*

Relevant Courses: Data Structures and Algorithms, Databases and Software Design, Introduction to Programming