TREVOR BYKO

Chandler, AZ 85224 | 503-756-0790 | TrevorDByko@gmail.com | linkedin.com/in/trevor-byko

SOFTWARE ENGINEER

Versatile Software Engineer with a strong experience in Java, front end development and SQL / NoSQL databases, looking for a position in Software Development. Proficient in API integration, and adept problem-solving skills honed through 1.5 years of professional software development experience. Tech enthusiast with exposure to diverse technologies including AI / ML fundamentals, graphics APIs, and mobile Android development. Eager to leverage my expertise and passion for innovation in contributing to a dynamic software engineering team.

TECHNICAL SKILLS

- **Programming Languages:** C | C++ | Python | Java
- **Testing:** TestNG | JUnit | Selenium 4 | Maven | Gradle | Rest Assured
- **Web Development:** HTML | CSS | JavaScript | MySQL | SQLite | PostgreSQL | Spring Boot | NodeJS
- **Tools:** Bash Shell | Git | Azure DevOps | IntelliJ IDEA | IBM zOS | Insomnia | Prometheus | Grafana

EXPERIENCE

General Motors Co., Phoenix, AZ   **April 2022 - October 2023**
Software Development Engineer in Test (Hybrid)

- Gained proficiency in new technology stack including Selenium with Java, REST Assured, and JDBC by developing and implementing over 150 smoke, regression, database and API tests across five apps
- Reduced runtime of test automation programs by 90% by collaborating with senior developers to improve time and space efficiency
- Decreased team testing stage by 20% by implementing test automation into CI / CD pipeline.
- Partnered with business analysts and end users in an Agile environment to act as liaison to the development team to process user requirements and defects into actionable development stories
- Oversaw end to end testing of five applications during migration from on premises code repository and CI / CD pipelines to GitHub Enterprise and Azure cloud resources

PERSONAL DEVELOPMENT PROJECTS

University Capstone Project: Hinsdale Wave Lab Multi-Platform Control Interface
Developed and implemented a multi-platform, user optimized application for IP addressable water valves. Allows access to the current state of present valves (open / closed), current water level at each facility, and in-app live-feed video of each facility. Includes web and Android application with university SSO integration.
HTML / CSS | JavaScript | Bootstrap | Java | Flutter + Dart | MySQL | Subnet Routing

A Beer a Day
Collaborated with 2 additional developers to create an Android mobile application using the RecyclerView framework, ViewModel architecture, and Retrofit for open API requests. Allows users to locate nearby breweries and provides relevant information including location and beer selection. SQLite used for local data storage.
Java | MVVM | Retrofit API | Open API Integration

k-Nearest Neighbor Income Predictor
Python application using the k-nearest neighbor algorithm. Model is uses 13 dimensions (age, sex, location, education, etc). Dimensions are processed prior to training to normalize / nominalize. 4-fold cross validation is used on a new set to determine accuracy. Model can predict if a person earns more / less than $50,000 annually.
Python | Machine Learning | kNN Algorithm | Data processing

EDUCATION

Bachelor of Science (B.S.), Computer Science   **June 2021**
Oregon State University, Corvallis, OR