

Robert “Bobby” Kemp

Full-stack Software Engineer with experience building scalable, offline-capable systems and modernizing legacy systems in enterprise environments.

Skills

Java (Spring Boot, Spring Security, Spring Data JPA), **JavaScript** (React, Svelte, Google Workbox, jQuery, Express), **Python** (Django, Django REST Framework, Celery Task Queue), **SQL** (PostgreSQL, MySQL, DB2, SQLite), **Tools & Platforms** (Docker, Docker Compose, Git, Bash, PowerShell, Elasticsearch, Logstash, Keycloak), **Environments** (Ubuntu, RHEL, CentOS, IBMi [AS/400], Windows Server, MacOS, Windows)

Experience

Software Engineer, Iowa 80 Group

Walcott, IA

March 2022 – Present

** Owned end-to-end delivery for all listed projects—from development through deployment and post-launch support.*

- Implemented containerized microservice-based REST APIs using Spring Boot with Keycloak (OAuth2) and autogenerated Swagger documentation
 - Enabled internal and external teams to access previously unstructured legacy data through standardized interfaces
- Modernized legacy CAT Scale transaction processing by replacing an FTP-based ingestion system with a Spring Batch application
 - Achieved a 95%+ performance gain, reducing runtime from 10–12 hours to an average of 25–30 minutes
- Engineered a secure, containerized Spring Boot REST backend integrated with IBMi (AS/400) via JT400 for self-service account management and password reset operations
 - Reduced IT support load by 10–15 tickets/week and significantly improved end-user experience
- Led end-to-end development of a full-stack progressive web application (PWA) for fast, accurate, offline restaurant inventory tracking across mobile and desktop
 - Replaced legacy MS Access app; improved workflow efficiency and saved at least 15–20 man-hours/week across 6 QSRs at 3 sites
- Developed a real-time, containerized computer vision pipeline to process camera streams, detect the presence of certain vehicle classes, and extract metadata (e.g. company name, truck/trailer number)
 - Developed a companion web frontend for viewing data in real-time and generating actionable reports for sales and logistics teams

Systems Engineer, Herzog Technologies Inc.

Fort Worth, TX

June 2020 – February 2022

- Led full lifecycle development of a containerized full-stack PWA to allow online/offline completion of equipment inspections from both office and remote sites
 - Improved UX over manually tracking with Excel spreadsheets; reduced data entry time by at least 15 man-hours/week

- Leveraged Elasticsearch and Logstash with a custom-built React frontend to centralize searching, downloading, and analysis of operational logs for over fifty production locomotives
 - Removed the need to search through log files using basic text editors, saving at least 20 hours/week for support center team

Systems Engineer Intern, Herzog Technologies Inc.

Fort Worth, TX

June 2019 – June 2020

- Used Microsoft PowerBI to build dashboards to help upper management visualize critical statistics of back-office servers and field systems
- Leveraged Microsoft PowerBI Report Builder to build and automatically distribute reports of technical issues, open tickets, and support center call summaries to customers and upper management
- Developed web applications using Microsoft PowerApps/Dynamics for automating various business processes and flows

Education

Honors Bachelor of Science, Computer Science. Minor in Business Information Systems.

The University of Texas at Arlington

Arlington, TX

August 2016 – May 2020

- Graduated Magna Cum Laude
- Graduate of UTA Honors College
- Vice President of the Game Developer’s club
- Tau Beta Pi Engineering Honors Society
- Upsilon Pi Epsilon Computing and Information Honors Society
- Phi Kappa Phi Honors Society
- Golden Key Honors Society

Honors/Awards/Community Involvement

- Information Systems Security Professionals, NSTISSI No. 4011 Certification
- System Administrators, CNSSI No. 4013E Certification
- Eagle Scout
- Volunteered in Engineering Saturday
 - Taught a 2-hour class on basic game development for middle schoolers using Scratch