

## SOFTWARE ENGINEER

Object Oriented Design and Development — Relational Database Systems

- *Exceptional Software Engineer* - 8+ years of experience with the entire software development lifecycle. Dedicated to the delivery of innovative solutions for today's problems, using tomorrow's tools.
- *Excellent troubleshooting and analysis skills* - Quick to analyze the root cause of issues and work towards both immediate and long term solutions.
- *Expert in backend / middle system design & implementation* - Years of experience in validating, processing, and marshalling data across varied systems.

## COMPUTER SKILLS

**Languages & Software:** Java, Groovy, Kotlin, SQL, Javascript, Python, Go Maven, Gradle, JUnit, Spock, Spring Framework, Spring Boot, Spring Cloud Stream, Hibernate, Docker, Tomcat, Logback, SLF4J, Backbone.js, JQuery, Nginx, Oracle, MySQL, SQLite, Kubernetes, Helm, Terraform.

**Operating Systems:** Windows, Linux (Fedora, Ubuntu, RHEL), OSX.

## EXPERIENCE

**Senior Platform Engineer**  
Minneapolis, MN

**Flywheel Exchange, LLC**  
2020 - 2021 (1 year, 5 months)

- Developed a Kubernetes based replacement for existing Docker Compose deployments and tooling.
- Wrote management tooling for support to connect/maintain/upgrade Kubernetes deployments.
- Currated and maintained support documentation for Kubernetes deployments.
- Lead team meetings, planning sessions, retrospectives, and postmortems.
- Mentored junior platform engineers, software engineers, and interns.
- Developed static compute functionality for the in house dynamic compute management system to more effectively support growing customer sites.
- Deployed highly available metrics, reporting, and build clusters to improve support and developer quality of life.
- Lead development effort to move log collection for customer sites into centralized GCP Stackdriver or customer supplied logging infrastructure.

**Lead Software Engineer**  
Eden Prairie, MN

**Optum**  
2017 - 2020 (2 years, 6 months)  
(Contracted) 2016 - 2017 (7 months)

- Developed report tooling to group and assign security issues to domain teams.
- Led efforts to triage critical security issues in a production Spring application.
- Involved in Zero Downtime and long term archiving projects.
- Improved a code generation feature of an internal framework built on top of Spring Framework. Easing life for developers.
- Led the conversion work of in-line JSON deserialization to Jackson enhanced DTO for the communication of internal data structures via web API and message queues.
- Involved in the early work to replace standalone legacy REST API services with versions built on the latest Spring Boot.

## Résumé

**Software Engineer**  
Hopkins, MN

**Cargill Incorporated, Risk Management**  
2013 - 2016 (3 years, 6 months)

- Led a small (3-5 person) team to retool and support a migration system in preparation of an extended cut-over testing period.
- Architected a Python REST API to integrate an Oracle data source with a third-party suite of back, middle and front office tools.
- Redesigned management system for '*Risk Products*', delivering improved control over the individual components.
- Maintained/upgraded a 10+ year Spring web application. Modernized interface, improved the back end, started work to move to modern build tools/process.

**Software Engineer Intern**  
Mankato, MN

(Under Contract To) **FPX LLC**  
2011 - 2013 (2 years, 1 month)

- Expanded a REST API and implemented continuous integration testing.
- Developed a DSL and tooling for internal auditing, testing and reporting.
- Developed a '*playback*' system that facilitated debugging of client systems.

### EDUCATION

*Bachelor of Science*, IT (May 2013)  
Software Engineering & Ethics

Minnesota State University  
Mankato, MN

### NOTABLE ACHIEVEMENTS

- ***Eagle Scout***
- BSA Leadership Instructor

**2007**

Summers 2004-2007

### REFERENCES

Available Upon Request