Drew Short **Résumé**

St. Paul MN — (612)-361-1019 — drew@sothr.com — https://www.sothr.com

SOFTWARE ENGINEER

Object Oriented Design and Development — Relational Database Systems

- *Exceptional Software Engineer* - 11+ years of experience with the entire software development lifcycle. 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: Go, Python, Java, Kotlin, Groovy, SQL, Poetry, Maven, Gradle, pytest, JUnit, Spock, Spring Framework, Spring Boot, Spring Cloud Stream, Hibernate, Kubernetes, Helm, Terraform, GitLab CI/CD, Jenkins, Concourse, Docker, Tomcat, Nginx, Oracle, MySQL, SQLite.
Cloud Providers: GCP, AWS, Azure.
Operating Systems: Windows, Linux (Ubuntu, Fedora, RHEL), OSX.

EXPERIENCE

Platform Engineering Technical Lead — **Flywheel Exchange, LLC**
Minneapolis, MN — 2020 - 2022 (2 years, 4 months)

- Lead team meetings, planning sessions, retrospectives, postmortems, gamedays, and brown bag learning sessions.
- Developed Terraform + Helm + Kubernetes based replacement for the existing Manual + Bash + Docker Compose deployments.
- Migrated legacy pet VMs to highly available metrics and build Kubernetes clusters managed through Terraform.
- Lead development effort that moved customer site log collection into centralized GCP Stackdriver and customer supplied logging infrastructure.
- Wrote management tooling for support to connect/maintain/upgrade Kubernetes deployments.
- Currated and maintained support documentation for maintaining, upgrading, and migrating customer deployments.
- Mentored platform engineers, software engineers, and interns on Terraform, Helm, Kubernetes, Scalable Code Patterns, and monitoring tooling.

Senior Software Engineer — **Optum**
Eden Prairie, MN — 2017 - 2020 (2 years, 6 months)
(Contracted) 2016 - 2017 (7 months)

- Replaced slow legacy REST API services with hoizontally scaling services and provided guidance and support for the migration process.
- Led efforts to triage critical security issues in production Spring services, taking accountability for identified issues and assigning security work to engineers.
- Developed report tooling to group and assign security issues to domain teams, reducing touch time and missed assignments.
- Led the conversion work of legacy in-line JSON deserialization to Jackson powered DTO for the communication of internal data structures via web API and message queues between services managed by the team.
- Improved code generation of an internal framework built on top of Spring. Significantly reducing configuration required for engineers to leverage message based workflows.

Last Updated: July 4, 2022

Résumé

Software Engineer — **Cargill Incorporated, Risk Management**
Hopkins, MN — 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 — (Under Contract To) **FPX LLC**
Mankato, MN — 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) — Minnesota State University
Software Engineering & Ethics — Mankato, MN

NOTABLE ACHIEVEMENTS

- ***Eagle Scout*** — ***2007***
- BSA Leadership Instructor — Summers 2004-2007

REFERENCES

Available Upon Request

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