

# EVANN HALL - SOFTWARE ENGINEER

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## EXPERIENCE

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### KNAPP Inc.

*Software Operations Engineer*

Greencastle, PA

Oct 2023 - Ongoing

- Authored and maintained internal Python and Bash applications that interface with production Oracle SQL servers which saved over three hours of manual work per employee per day to further support the new fulfillment systems and operation of the world's largest retailer.
- Regularly implementing PL/SQL analysis queries within a production Oracle SQL relational database, addressing database and application errors and performance in real time, and provided information for ad-hoc customer requests and customer representatives up to Director level, adhering to customer SLA's in all incidents I personally managed.
- Responsible for onboarding and training process of new colleagues. Tasked with continually organizing standard operating procedure documents for incident handling and resolution, which decreased onboarding time and allowed new hires to contribute in a matter of weeks rather than months.
- Consistently collecting and analyzing production log files for many distributed Linux based systems to create DevOps tickets in real time for application incidents during operations, facilitating in the documentation of over a thousand project incidents across tenure, as well as provided support and real time workarounds for resolution of hundreds of bugs and customer requests.
- Performed system update deployments to two servers on a bi-weekly basis, merging feature branches from version control software (Gitlab). Resolved merge conflicts and other errors during update deployment, resulting in a 100% success rate in deployments with no rollbacks.

## SKILLS

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Programming:	Java, Python, SQL, CSS, JavaScript, Lua, Bash, C++
Technologies/Frameworks:	Spring, Linux (Arch, Debian), Oracle SQL, PostgreSQL, SQLite
Tools:	Git (GitHub, GitLab), Postman, Eclipse, neovim
General:	Documentation, Version Control, SDLC, Business Oriented

## EDUCATION

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### Franklin University

Master of Computer Science (Software Systems)

Columbus OH

2024 - Ongoing

### Franklin University

Bachelor of Computer Science

Columbus OH

2019 - 2024

## PROJECTS

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**evannhall.dev** *Java/Spring Boot, SQLite, CSS, Wekan (Project Management), Zettlr* <https://evannhall.dev>

Authored a custom web platform from the ground up to capture tens of leads per month. Architected from scratch with Java, CSS, and JavaScript utilizing minimal external dependencies with MVC architecture. Engineered ancillary services to support application, such as custom spam filter blocking 99.9% of spam requests. Implemented multifaceted rate limiting stack decreasing spam request volume by hundreds of MB per day.

**CSFolio** *Java/Spring Boot, Flutter, PostgreSQL*

<https://github.com/halle15/csfolio>

Cofounded a mobile application for scraping multiple game marketplaces to collect and store gigabytes per day of item volume to provide statistical insights to users. Responsible for scraping engine, database management, deployment, and ensure proper interface with mobile frontend. Optimized previous inventory fetching and parsing system to reduce response time from over three seconds to a sub second response time by batching and optimizing queries, and removing redundant operations.

**TraQR - Full Stack Application** *Java/Spring Boot, React, MySQL*

<https://tinyurl.com/2uspc6ke>

Spring Boot and React app for end users to track articles based on assignment to QR codes for physical storage control and retrieval. Logically tracked articles utilizing a MySQL relational database. Responsible for architecting and engineering model structure and access objects to relational database. Implemented Git version control use and standards.

**Clean Freakz Detailing Full Stack Website** *Java/Spring Boot, Bootstrap, SQLite, Linux*

Designed and developed a responsive web platform for a local car detailing service using Java and a SQLite relational database for a customer contact and scheduling system directly resulting in tens of leads per week. Created custom Javascript and CSS solutions with a simple but timeless design leading to greater local brand recognition.