

HAYLEE QUARLES

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FULL STACK SOFTWARE ENGINEER

Build Products that Drive Innovation and Deliver Key Goals

Possess strong expertise in designing, developing, and deploying web applications. Proficient in object-oriented programming and modern software development practices across front-end and back-end technologies. Familiar in Agile/Scrum environments, collaborating effectively with cross-functional teams to deliver high-quality solutions. Meticulous with excellent listening and communication skills that ensure accurate requirement gathering and implementation. Passionate about clean code, software design principles, and continuous improvement.

SKILLS

Technical: Java, Spring Boot, React, JavaScript, Typescript, PostgreSQL, MyBatis, Kafka
Development: RESTful API design, Testing with Spock and Groovy, GitHub, Agile Scrum, Copilot
Workflow: Incident management and production change requests with ServiceNow, Visual Studio Code, IntelliJ IDEA, macOS, ChatGPT

EXPERIENCE

TARGET, Minneapolis, MN

Software Engineer

2019-2025

Designed and implemented new features by writing code, maintained existing functionality by enhancing existing code, performed code reviews, led technical design discussions, fixed bugs, and wrote tests.

- Spearheaded efforts to design and develop full stack applications using Java, Spring Boot, React and Typescript to pull information from internal human resources APIs and load users into vendor partner Procore's software as approvers of financial transactions. Designed database and APIs focused on SOX compliant level security. Saved estimated ~1700 work hours annually.
- Dramatically cut contracts without signed legal agreements between Target and prospective construction vendors by designing back-end Java application in partnership with legal team to search for non-disclosure agreements and prime construction agreements using Ariba software APIs and Procore's user interface.
- Increased development times and achieved consistent user experience and easier reuse across multiple places and teams by collaborating with UX partners on design and development of several micro front-end applications using React and JavaScript.
- Created easy to implement template solution for tracking API calls toward vendor partner Procore's rate limit. Increased from 0% to 100% visibility into where heavy load services were for adjusting job timing and code structure to lower rate limit usage.
- Overhauled code base of several large production applications that:
 - Enhanced logging.
 - Provided exception for handling and Slack alerting for errors.
 - Increased test coverage.
 - Improved adherence to team code cleanliness, complexity, and organization norms.
- Reduced code smell as defined by Sonarqube in 3 key repositories from 90 down to 19, 76 down to 21 and 19 down to 3, and cut future development and incident resolution time due to better code quality.

EDUCATION

Bachelor of Science (BS), Computer Science Engineering, Michigan State University, East Lansing, MI