

Kailey Waal

Frontend Engineer

(419) 367 5015

Boulder, CO

kailey@ford-network.com

[linkedin.com/in/kailey-waal](https://www.linkedin.com/in/kailey-waal)

PROFESSIONAL EXPERIENCE

Software Engineer at PNC Bank (2021 - Present)

- Launched **React/Typescript** user interface for application that allows the Site Reliability Center to quickly mobilize key team members for rapid incident response, minimizing downtime and ensuring system reliability
- Designed, developed, and implemented key front-end features using **React, TypeScript, Redux, and RTK Query**, including a dashboard-style UI for simplified data visualization, advanced search functionality, and infinite scroll, enhancing user experience and data accessibility
- Contributed to **API development** by diagnosing and resolving bugs in **FastAPI** and **Python**, enhancing system reliability and performance
- Utilized **Git** for version control and collaboration within a team of 4 engineers, streamlining code reviews, managing feature branches, and ensuring smooth integration across the codebase
- Leveraged **AI-powered tools** and resources, such as **ChatGPT**, to rapidly learn new technologies and frameworks, facilitating swift adaptation to project needs and boosting development efficiency
- Improved website accessibility by 59% by leveraging the **Material UI component library** to revamp a desktop-only application, incorporating **responsive design** techniques to ensure optimal performance on mobile devices and small screens
- Implemented **Alembic version control** for database migrations in the API, streamlining schema updates, reducing deployment errors, and improving development speed by enabling faster, more reliable updates
- Helped maintain consistent coding standards by configuring **ESLint rules** and providing constructive feedback on colleagues' pull requests, contributing to a 30% reduction in code review turnaround time and fostering a more scalable, reliable, and efficient software development process
- Spearheaded a comprehensive **app redesign** and utilized **Jira** to coordinate resulting development efforts, enhancing user experience and improving usability, resulting in increased efficiency and higher user satisfaction
- Managed the **automated integration test suite** with **Selenium**, enhancing test coverage and reliability of application features, resulting in improved deployment confidence and a notable decrease in post-release issues

EDUCATION

Mount Vernon Nazarene University

Bachelor of Arts - Intercultural Studies, *summa cum laude*

SKILLS

- | | | |
|--------------------|------------------------------|-----------------------------|
| • HTML & CSS | • ESLint | • Python |
| • JavaScript (ES6) | • Material UI Library | • FastAPI |
| • React.js | • Restful APIs | • SQLAlchemy (ORM) |
| • Redux | • Selenium Automated Testing | • Alembic |
| • RTK Query | • Responsive Design | • SQL (SQL Server, MySQL) |
| • TypeScript | • Git Version Control | • Agile Scrum Methodologies |