

Sarah Johnson

Software Engineer

(201) 694 1591 • sajoh002@gmail.com • [linkedin.com/in/sarah-johnson15/](https://www.linkedin.com/in/sarah-johnson15/) • [aboutsarahj.com](https://www.aboutsarahj.com) • github.com/sajoh002

Technical Competencies

Programming: TypeScript • React • JavaScript • HTML • CSS • C# • Next.js • Bootstrap • Material UI • Tailwind CSS • GraphQL • Express • 2A CE/Synon • Node.js

Tools & Technologies: Docker • Restful API • Azure DevOps • Selenium

Data & Reporting: SQL • PostgreSQL • MongoDB • Sequel • PowerBI • Captiva • IBM i

Work Experience

PDP Group, Inc. 11/2017 – Present

Providing web based title solutions and insurance to automotive dealers and lenders.

Software Developer (5/2022 – Present)

- Developed critical products and features in the front end across an **expansive tech stack**; Maintained and conducted troubleshooting and improvement initiatives for **production level applications**.
- Ensured uninterrupted service and a seamless user experience within web applications by **deriving root causes of bugs** and leading **reviews and testing** processes.
- Collaborated with Product Managers to **gather and analyze customer requirements**, implementing new features tailored to client-specific needs.

Titan – Title Tracking System

- **Developed and tested new features** for the web application used by 25K+ daily users, utilizing TypeScript, React, GraphQL, and Tailwind CSS on the frontend, and C#, .NET, and Synon on the backend.
- Replaced legacy external integrations with a React and TypeScript frontend feature to manage shipments, **integrating third-party FedEx APIs** to automatically generate shipping labels for thousands of shipments daily.
- Increased **data processing speeds** and decreased response times by 50% by refactoring GraphQL queries, successfully utilizing the optimal search index of Synon files based on user search criteria.
- Rewrote frontend prompt screens and backend processes, updating state forms generation and transitioning the printing process from **AS/400 native printing to iForms**.
- Re-engineered a **critical internal system's** data change request form to enforce complete and accurate submissions by implementing validation checks, significantly reducing capture time and improving data integrity.

Vehicle Insurance Program

- Added **assistive technologies** that enabled internal claim representatives to automatically generate and send 12 different email templates based on user selections, **saving 2+ hours per claim**.
- Redesigned submission forms to enhance **user experience** by making them more intuitive and accessible, leading to a reduction in submission errors.
- Created and maintained daily and monthly **PowerBI reports**, consolidating dealer, vehicle, and claim data into a unified view, **saving 30 hours monthly** and providing valuable insights for claim representatives.
- Implemented a robust tracking system for vehicle IDs on the lot, enhancing **inventory management** and ensuring accurate data tracking.
- Enhanced and updated frontend claim, policy, and ID card forms by **developing custom React components**, improving the accuracy and completeness of information captured and submitted.

Business Analyst (5/2021 – 5/2022)

Title Release Technician II (5/2019 – 5/2021)

Title Release Technician I (11/2017 – 5/2019)

Education & Certifications

Master of Science in IT – Software Engineering – University of Maryland

Bachelor of Arts – Chemistry – Goucher College