

DREW K. RONK

Please use the "Contact" section of this site to contact me

SUMMARY

Versatile and resourceful Full-Stack Software Engineer with three years of experience building responsive web applications, scalable APIs, and performant microservices. Strong collaborator with a proven track record of addressing complex requirements with thoughtful, maintainable solutions that are equally impactful and inclusive.

EDUCATION

The Pennsylvania State University

Bachelor of Science in Information Systems, Minor in Security and Risk Analysis
summa cum laude

University Park, PA

August 2018 – May 2022

EXPERIENCE

Alarm.com

Boston, MA

Software Engineer II

March 2025 – Present

- Design, implement, and deploy a flexible, asynchronous REST API which establishes a new paradigm for device installation by allowing API consumers to initiate and manage multiple installation sessions simultaneously.
- Lead the revitalization of a critical project by analyzing an incomplete, undocumented system and identifying actionable updates which address business requirements while ensuring smooth feature adoption by stakeholders.
- Contribute to the modernization of a core piece of infrastructure, enabling a major external partner to integrate device management functionality into their offering and ensure new service delivery to millions of end users.

Software Engineer

August 2022 – March 2025

- Led the design and development of a progressive web interface, simplifying the device installation process for users by introducing a streamlined installation flow and cohesive interface for managing all ongoing installations.
- Took ownership of a high-priority project, acting as lead engineer and mentor to another engineer by translating business requirements into thoughtful features, providing technical guidance and code reviews, and closely collaborating with user experience designers and product management to ensure timely and successful delivery.
- Delivered a containerized microservice to automate daily diagnostics across more than 1.5 million customer systems, increasing maintainability and reliability while eliminating frequently-encountered functional bugs.
- Improved end user experience for over 150,000 customers by resolving a common pain point via an extensive refactor of a legacy API.

Software Engineering Intern

June – August 2021

- Enhanced developer experience by building and testing web pages which created user interfaces for internal tools and automated many formerly manual processes.
- Alleviated user pain points by identifying and resolving software bugs in a complex, tightly-coupled code base.

HAX Lab at Penn State

University Park, PA

Front-end Development Intern

January 2022 – May 2022

- Collaborated with a faculty supervisor and two peers to design and build the tutorial interface for a headless content management system, which has enabled professors to rapidly generate web content for over 60,000 students.
- Developed reusable web components using Lit, ensuring modularity and scalability of the user interface while contributing to the lab's growing library of web components.
- Designed and implemented light and dark mode themes using CSS, enhancing the user experience by providing an accessible and flexible interface available across environments.

TECHNICAL SKILLS

Languages/Frameworks

Proficient with: JavaScript, TypeScript, Ember.js, HTML, CSS, C#, SQL

Experienced with: Node.js, React.js, Lit, Java

Tools

Proficient with: Git, Figma, Bitbucket, Jira, Postman, Apache Kafka

Experienced with: OpenTelemetry, Sentry, ArgoCD, Docker, Vercel, Heroku