

Alex Ahlrichs

Full stack software engineer dedicated to delivering seamless, user-centered experiences. Committed to writing clean and maintainable code.

aahlrichs5@gmail.com
Dubuque, IA
(563) 235-7038
aahlrichs.dev

EXPERIENCE

Opengov Inc. — Software Engineer II

Jan 2022 - PRESENT

- Led development of a customer-facing API portal using the OpenAPI specification, documenting 100% of public API methods
- Delivered high impact customer features using Angular and Ionic, driving an 85% increase in field worker interaction with mobile application
- Enhanced code quality and reliability by increasing unit test coverage and Cypress end-to-end test automation to above 80%, ensuring a more stable and bug-free experience for users
- Implemented a Kafka consumer processing 8,000+ messages per minute, enabling reliable cross-suite integrations internally
- Automated a release pipeline within Github Actions saving over 30 minutes per week and increasing deployment efficiency
- Built Grafana dashboards to enhance observability and continuously monitor application performance and system health
- Onboarded and mentored two junior developers, supporting skill growth and team productivity

Cartegraph — Software Engineer Intern

May 2020 - Aug 2021

- Implemented and shipped multiple production features in an agile environment managing tasks in Azure DevOps
- Built foundational full stack development skills by creating a user interface with integrated API accessibility
- Authored and organized technical documentation in Confluence
- Collaborated with UX designers to refine user flows and enhance usability across key product features

University of Wisconsin - Platteville — Resident Assistant

Aug 2019 - May 2021

- Facilitated monthly programming and community building activities to enhance student engagement
- Demonstrated strong time management skills by balancing work and university studies

FRONTEND SKILLS

Typescript
HTML/CSS
Angular
Ionic/Appflow
Cypress
Jasmine

BACKEND SKILLS

C#
Microsoft SQL Server
PostgreSQL
Node

DEVOPS SKILLS

Github Actions
Grafana
Terraform
AWS
Docker

EDUCATION

University of Wisconsin Platteville

Aug 2017 - May 2021

B.S Computer Science
Business Minor