

Alex Ashley

DevOps Engineer

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Employment

Oct 2020 - **Senior DevOps Engineer**, *Liatrio*, Remote

- Current
 - Built out an Azure environment for Backstage, an internal developer portal
 - Deployed on Azure Kubernetes Service using Argo CD
 - Wrote a custom user analytics plugin in TypeScript and deployed a self-hosted analytics service to collect activity in the developer portal
 - Created a demo of container-based software supply chain security best practices using Sigstore
 - Deployed and configured a new customer-facing identity provider to multiple AWS regions using CloudFormation
 - Developed a custom user authentication plugin in Java to bridge the gap between the new identity provider and existing customer API.
 - Created a test suite using k6 to validate deployments
 - Developed and contributed to multiple in-house Terraform providers.
 - Implemented authentication and authorization for Rode, Liatrio's software supply chain security tool.

Oct 2019 - **Platform Engineer**, *Hy-Vee*, Grimes, IA

- Sep 2020
 - Extended our CI/CD offering with Windows support
 - Assisted developers with questions and best practices for our cloud environment.
 - Performed maintenance and upgrades for our multi-tenant Kubernetes environment.

Feb 2017 - **Software Engineer III**, *Hy-Vee*, Grimes, IA

- August 2019
 - Migrated customer authentication from a home-grown solution to OpenID Connect
 - Integrated React Native into existing iOS and Android applications.
 - As part of a small team, implemented an application for the loyalty program that handles thousands of daily transactions.
 - Created several plugins for our API gateway and helped to define API standards.

June 2016 - **IT Early Development Program**, *John Deere*, Urbandale, IA

- Feb. 2017
 - Helped to re-write a React dialog for adding equipment to MyJohnDeere.
 - Worked with a small team to implement a Node.js & React site to manage in-cab displays.

Languages & Technologies

- Languages: JavaScript/TypeScript, Go, Java, Kotlin, C#
- Platforms: Kubernetes, AWS, Azure
- CI/CD: GitHub Actions, GitLab, Azure DevOps
- Tools: Terraform, Helm, Kustomize, Packer, Docker, Argo CD, Renovate

Education

May 2016 B.S., Computer Science, *University of Illinois at Urbana-Champaign*