

# Alex Ashley

*DevOps Engineer*

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## Employment

- Oct 2020 - **DevOps Engineer**, *Liatrio*, Remote.
  - Current
    - Contributed to Rode, Liatrio's open source software supply chain tool.
- Oct 2019 - **Platform Engineer**, *Hy-Vee*, Grimes, IA.
- Sep 2020
  - Extended our CI/CD offering with Windows support
    - Wrote custom utilities to improve security and reliability on the host.
    - Used Packer to create Windows images for the workers.
    - Wrote documentation and gave an internal talk on using the platform
  - Assisted developers with questions and best practices for our cloud environment and related tools.
  - Performed maintenance and upgrades for our multitenant Kubernetes environment.
- Feb 2017 - **Software Engineer III**, *Hy-Vee*, Grimes, IA.
- August 2019
  - Migrated customer authentication from a home-grown solution to OpenID Connect
    - Authored several custom Keycloak integrations to enable:
      - Federating users from an existing database
      - Ensuring legacy website interoperability
      - Establishing an authenticated WebView session in the mobile app.
  - Integrated React Native into existing iOS and Android applications.
    - Wrote native modules to wrap vendor SDKs
  - 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.
  - Worked on back-of-house WinForms and WPF applications.
- 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.
  - Extended a distributed system of two dozen AWS Lambdas.
  - Created a GitHub webhook to post pull requests into team channels on Flowdock.
    - Used by three teams at Deere.

## Languages & Technologies

- Languages: JavaScript, Kotlin, Go, C#, SQL
- Platforms: GCP, Kubernetes, Concourse
- Tools: Terraform, Packer, Docker

## Education

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