Alex Ashley

Software Engineer

Des Moines, IA
618-795-3772
alexashley15@gmail.com
alexashley.dev
in *alex-h-ashley*
alexashley

Employment

October 2019 - Current

Platform Engineer, *Hy-Vee*, Grimes, IA.
- 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 - August 2019

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

IT Early Development Program, *John Deere*, Urbandale, IA.
- 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*.