

# Alex Ashley

Software Engineer

Des Moines, IA

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## Employment

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

### Language

JavaScript	Proficient
Kotlin	Proficient
.NET	Intermediate
Go	Intermediate
T-SQL	Intermediate
Lua	Beginner

## Education

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