Andrew Bowler

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https://ajbowler.github.io/website

JOHN DEERE FINANCIAL, Des Moines, IA

Senior Software Engineer │ Apr 2020 - Present

- Full-stack engineer on a product team that develops cloud-native web applications for retail installment, lease, and revolving financing for John Deere dealers.
- Developed microfrontends and microservices in React, Java (Spring Boot), HTML/CSS, and various AWS resources including API Gateway, S3, Cloudfront, ECS, Lambda, and DocumentDB.
- Achieved unified observability, monitoring, and business metric reporting via NewRelic

CLIENT RESOURCES INC., Omaha, NE

Software Engineer │ Feb 2020 - Apr 2020

- Short term contract for in-house solutions team. Developed a news site in React and AWS Amplify

HAYNEEDLE, Omaha, NE

Senior Software Engineer │ Jan 2018 - Jan 2020

- Re-platformed a legacy ColdFusion e-commerce site into modern React and Node applications, powered by RESTful Java Spring microservices and a GraphQL integration
- Subject matter expert on frontend platform, primarily the cart, checkout, and returns systems. Notable projects include: California Consumer Privacy act compliance, checkout redesign, Apple Pay integration, security compliance
- Set up a unit test platform in Jest and mentored experienced engineers who had never written unit tests before. Eliminated hundreds of man-hours spent on manual regression

CERNER, Kansas City, MO

Associate Senior Software Engineer │ Jun 2016 - Dec 2017

- Developed patient charting applications in Rails, JavaScript, and Java for various nursing workflows including vitals, patient demographics, and medication administration
- Served as a mentor through Cerner's software engineer training program by teaching new associates best practices and how to be a successful engineer at the company

PRINCIPAL FINANCIAL GROUP, Des Moines, IA

Application Developer Intern │ May 2014 - Aug 2015

- Two summer internships that included working on Java enterprise web apps as well as some frontend development with ES5 JavaScript

SKILLS

- **Experienced:** JavaScript (React, Redux, Node, TypeScript), Java (Spring Boot, JPA, GraphQL), Ruby (including Rails), unit and integration testing (Jest, Mocha, Mockito, Capybara, Cypress, Puppeteer)
- **Hobbyist/Familiar:** Jenkins, Terraform, AWS, Python, C#, C/C++
- **Soft skills/process-related:** Agile development, Usual Atlassian tools (JIRA, Confluence, etc.), mentoring experience, TDD/BDD, pair programming, giving technical interviews

EDUCATION

IOWA STATE UNIVERSITY, Ames, IA *B.S. Software Engineering*

UNIVERSITY OF BIRMINGHAM, United Kingdom *International Exchange Program*