

# Daniel Barry

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## Summary

Software Engineer with five years of experience designing secure and scalable backend systems. Specialized in Identity and Access Management with expertise in OAuth 2.0 and Auth0 protocols. Proven ability to engineer high traffic REST APIs handling 500,000 records. Proficient in Java, Spring Framework, and React. Accomplished at automating CI/CD pipelines to improve deployment speed and system reliability.

## Technical Skills

- **Programming Languages:** Java, JavaScript, TypeScript, Python, C#
- **Frameworks:** Spring Framework, React, React Native
- **DevOps Platforms:** Amazon Web Services (AWS), Jenkins, Google Cloud Platform (GCP), Microsoft Azure, Sumo Logic, SonarQube
- **Other Tools:** Docker, Postgres, JUnit, Jest, Mockito, JProfiler, JMeter, Jira, Confluence, Microsoft SQL Server, Cloud Firestore, REST APIs, Burp Suite, MongoDB

## Work Experience

### iCIMS

#### *Software Engineer - IAM*

**May 2024 - Jan 2026**

- Enhanced security by implementing OAuth 2.0 service-to-service authentication across multiple Docker-based microservices using Auth0.
- Streamlined the integration workflow by building a React single-page application that coordinates customer and third-party vendor connections, improving integration setup speed and reliability.
- Reduced monthly token exchanges by 20% by architecting and implementing rate limiting for third-party service-to-service authentication.

#### *Software Engineer - Apply Framework*

**Oct 2022 - May 2024**

- Launched the Apply Framework, enabling one-click application syncing across LinkedIn, Indeed, and ZipRecruiter, which reduced manual entry time for recruiters.
- Managed and optimized Postgres data storage by designing schemas, writing complex queries, and enforcing data integrity, which improved query performance and reduced data errors.
- Created and maintained full-stack recruitment tools using Java with Spring for the back end and React for the front end, delivering scalable features that lowered page-load times for users.
- Deployed and managed applications on AWS and automated build, test, and deployment pipelines with Jenkins, achieving faster release cycles and consistent environment setup.
- Collaborated with product, design, and QA teams to add new features, troubleshoot bugs, and boost system performance, resulting in higher user satisfaction and fewer support tickets.

#### *Assoc. Software Engineer - Apply Framework*

**Apr 2021 - Oct 2022**

- Engineered REST API end point within a Spring Framework microservice, receiving 500K job applications from LinkedIn, Indeed, and ZipRecruiter.
- Reduced time to deploy by 50% by migrating legacy microservice to company standard CI/CD pipeline.
- Led initiative to develop subsystem tests for microservices, automating testing of connections to downstream dependencies, improving system reliability.
- Reduced page reloads by 5% by implementing automatic application flow status updates in React SPA.

### MBMS, Inc.

#### *Software Development Intern*

**2019 - 2020**

- Wrote unit tests with Jest and Enzyme for in-house React library, allowing developers to change React components without introducing bugs.
- Automated e-mail notifications containing code build and test statuses with PowerShell scripts, removing the need for developers to manually notify the QA team about new CI builds.
- Created a C# command line interface to migrate Microsoft SQL Server data, assisting teams in maintaining database integrity.
- Debugged UI tests in C# for ASP.NET web application, lowering time spent testing new releases by reducing false positives.

## Education

### **Stevens Institute of Technology**

*B.S., Computer Science*