

Sean Coyne

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Skills

- **Languages:** Java, JavaScript, Python, SQL, HTML/CSS, C, Ruby, R
- **Frameworks and Libraries:** Spring, Hibernate, JPA, JUnit, Mockito, Angular, React.js, Vue.js, Bootstrap, SCSS
- **Databases:** DynamoDB, Microsoft SQL Server, PostgreSQL, MySQL
- **Tools:** AWS, Apache Tomcat, Docker, GitHub, Postman, BitBucket, IntelliJ, Eclipse, PyCharm, Vim, Git, PuTTY

Work Experience

- **CommuteAir** **North Olmsted, OH**
Senior Software Engineer *March 2023–Current*
 - Orchestrated conversion of multiple on-prem services into Docker containers run as ECS tasks on Fargate.
 - Leveraged AWS Lambda to refactor workflows into serverless, event-driven processes to enhance operational efficiency.
 - Spearheaded initiatives to analyze and optimize company-wide AWS practices, leading to a monthly bill reduction of over 30% and annual savings of over \$50k.
 - Assisting in system design decisions, providing valuable insights to maximize performance, scalability, and user experience.
 - Collaborating with multiple different departments to gather requirements for internal projects and troubleshoot existing issues.
 - Training, supporting, and assisting interns and new members of the development team.
- *Software Engineer* *April 2022–March 2023*
 - Implemented, tested, and maintained highly-available and fault-tolerant Java Spring Boot microservices.
 - Integrated several third-party web services with company systems, eliminating the need for manual data entry.
 - Automated reports used by internal departments for the purpose of summarizing data and assisting in operational decisions.
 - Designed and created Angular pages and components using Typescript to replace legacy UI.
 - Worked extensively with AWS technologies (EC2, ECS, DynamoDB, API Gateway, S3, SQS, CloudWatch, etc.)
 - Played a key role in the successful replacement of the airline's operations system by providing on-call support, hotfixing critical issues, and minimizing delays/system downtime.
- **RIT Simone Center for Innovation and Entrepreneurship** **Rochester, NY**
Innovation Fellow *January 2021–June 2021*
 - Selected to work on a team of four students to define, advance, and prototype an industry-sponsored product idea.
 - Conducted 50+ customer discovery and product solution interviews with potential clients and customers.
 - Formulated and extracted key requirements from business proposal to assist in determining MVP features.
 - Helped develop a prototype using React.js based on information obtained through customer discovery interviews.
 - Continuously reported out on and presented work being done to other teams and industry coaches.
- **Emerson** **Elyria, OH**
Software Engineer Co-op *July 2019–January 2020*
 - Gained experience building enterprise-grade web applications with a back-end built on Java and front-end built on Vue.js.
 - Participated in an Agile software development process, working on a team with five other full-time developers.
 - Gained familiarity with Object-relational mapping using Hibernate and JPA.
 - Performed software testing on project writing both unit and integration tests using JUnit and Mockito.
 - Used tools such as Git, GitHub, Maven, IntelliJ, SQL Server Management Studio, and Postman extensively.

Education

- **Rochester Institute of Technology** **Rochester, NY**
B.S. Software Engineering, Cum Laude *May 2022*