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
- **Certifications:** AWS Certified Solutions Architect – Associate

Work Experience

CommuteAir   **North Olmsted, OH**
Senior Software Engineer   *March 2023–Current*

- Led the migration and conversion of 20+ on-prem services to Docker containers, deployed as ECS tasks on AWS Fargate.
- Transformed several traditional microservices into serverless, event-driven workflows using AWS Lambda, improving operational efficiency and reducing compute costs.
- Proposed and led 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.
- Working across multiple departments to gather requirements, develop, and test internal projects from start to finish.
- 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*