

Connell Boyce

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Work Experience

Software Developer II, Comcast

August 2021 – Present

- As a member of the Comcast Identity Management Architecture team, I work on improving and creating new functionality for Comcast's authentication and authorization applications.
- Operates in agile software development lifecycle.

Software Engineer and Webmaster, Irish Culture Club of Delaware

February 2022 – March 2024

- Tasked with creating and maintaining an ICCD website and improving the club's social media presence.

Education

The Pennsylvania State University, University Park, PA

May 2021

Bachelor of Science in Information Science and Technology

Major GPA: 3.49

Design and Development Option

Coursework: Object-Oriented Java I-III, Human Centered Design, Organizational Strategy, Object-Oriented Software Applications, Web-Development, Distributed Object Computing, Emerging Issues in Technology, Legal Environment of IST, Complex Software Systems

Skills

Foreign Languages: Spanish (Elementary), American Sign Language (Elementary)

Technical Skills: Java, HTML, CSS, JavaScript, Object-Oriented Analysis/Design, Agile Development Strategy, JUnit, Express, ReactJS, Node.js, Spring Boot, Maven, MongoDB, RESTful APIs, JavaFX, FXML, Swing, GitHub, JQuery, Ajax, Docker, Jenkins, SteelCloud, Kibana, Jira/Confluence, AWS (ECR, ECS, SNS, Route53, Amplify, Cloudwatch), IntelliJ, Git, Visual Studio Code, Postman, Windows Subsystem for Linux 2, Microsoft Office

Certifications

AWS Certified Developer - Associate

April 2024 - April 2027

Organizations & Honors

Irish Culture Club of Delaware: Vice President

February 2022 - Present

Gamma Tau Phi: IST Honor Society Alumnus

January 2020 - Present

Dean's List x4

Fall 2019 - Spring 2021

Software Project Experience

Personal Website

- *Personal website and portfolio available at www.connellboyce.com*
- Developed a **Next.js** application to serve as personal website
- Hosted on **AWS** infrastructure

Irish Culture Club of Delaware Web Application

- *A full stack web application acting as the central hub for ICCD information and membership management.*
- Created a **Spring Boot** application with **Maven** to handle dependencies such as **Spring Security**, **MongoDB**, and **PayPal API**.
- Handled authentication using **Spring Security** and **JWTs**.
- Designing front-end appearance using **Bootstrap** with **Thymeleaf** as a templating engine.
- Deployed the application by sending a **Docker** image of the application to **AWS** through shell scripting. Utilized **AWS Fargate**, **ECR**, and **Route53** as cloud infrastructure and deployed using **AWS Client** with **shell scripting** on **Ubuntu for Windows Subsystem for Linux**.

Electric Vehicle Route Mapping Application – Senior Capstone Project (Road.io)

- *An application with a **ReactJS** front end and **Spring Boot** back end which calculates routing for electric vehicles needing charging stations, presents local charging stations, and visualizes vehicle range to combat range anxiety.*
- Utilized **ReactJS** to present the user with an easy-to-use interface and embedded map.
- Utilized **Spring Boot** to handle API requests and handling authorization to make requests.