

# AIMAL ESA

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## SKILLS

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**Programming Languages:** Java, C#, C++, Python, JavaScript, Kotlin, TypeScript

**Development Frameworks and Libraries:** Angular, React, Jetpack Compose, Django, FastAPI, Spring Boot, Salesforce LWC

**DevOps and Cloud Platforms:** AWS, Docker, Azure DevOps

**Database Technologies:** SQL, Firebase

**Version Control:** Git, GitHub

**Core Computer Science Concepts:** Algorithms, Data Structures, Object-Oriented Programming, Discrete Structures

## EXPERIENCE

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**Software Development Intern** | *Zions Bancorporation*

**May 2023 – Present**

- Developed and maintained multiple web pages incorporating reusable Angular components
- Implemented an API in Spring Boot to support front-end data needs, utilizing GraphQL for efficient querying
- Developed a user-friendly form for lead submission, ensuring secure and reliable data transmission to Salesforce via GraphQL
- Revitalized web page design, establishing a template for future web development
- Successfully deployed to production through release cycle multiple times
- Researched and delivered impactful demos and proof of concepts
- Collaborated with coworkers in an agile workflow using Azure DevOps project board

**Accountant** | *Zions Bancorporation*

**Oct 2018 - Nov 2022**

## EDUCATION

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**Bachelor of Science in Computer Science** | *University of Utah*

**May 2025**

**Associate of Science in Business** | *Salt Lake Community College*

**May 2021**

## PROJECTS

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**Online Chat Room** | Full-stack web application | **Python/FastAPI, SQLite, React, AWS, Tailwind CSS**

- Connected FastAPI to a SQLite database to store user and chat data
- Conducted comprehensive testing of the web application utilizing pytest framework
- Deployed backend to AWS using lambda and API gateway
- Component based application with React, styled with Tailwind CSS
- User friendly auth flow using React contexts and OAuth 2

**Online Grading Software** | Full-stack web application | **Python/Django, AWS**

- Created a user-friendly and semantically structured frontend using HTML and CSS
- Implemented a robust backend using Django to dynamically generate pages and allow authorized users to modify data
- Successfully deployed using AWS EC2

**Drawing App** | Android Application | **Kotlin, Jetpack Compose, Firebase**

- Allowed users to create accounts using Firebase authentication
- User drawings saved to Firestore database and shared with other users
- Simplified UI development by using Jetpack Compose

**Sprite Editor** | Model-View structured drawing application | **C++, Qt**

- Developed within QtCreator environment
- Followed agile workflow with a team of 5, utilizing project board, git branches, and code-reviewed pull requests

**Agario Game** | Online multiplayer video game | **C#, SQL**

- Established a reliable TCP-based networking system to connect players with the server
- Utilized dependency injection principles to implement a custom file logger
- Designed a secure web server that queried remote SQL database
- Developed a Website using HTML, CSS, and JavaScript to present player information