**Jihun (Ethan) Shin**

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**EDUCATION & CERTIFICATION**

**AWS Solutions Architect – Associate** Nov 2023 expected

**Oracle Database 12c Administrator Certified Associate** Jan 2023

**AWS Cloud Practitioner Foundational** Jan 2023

**BS George Mason University, Fairfax, VA** Aug2018 – Dec 2022

Information Technology, Database Technology and Programming concentration

Major GPA: 3.7

**WORK EXPERIENCE**

**Java Developer**Remote, USA

Cognixia USAJun 2023 – Present

* Developed a Full suite **Spring Boot** REST API, implementing **Spring Security, Hibernate, JPA**, and **Mockito Test Suite**
* Designed databases under principles of Normalization and **ACID** and **SOLID** patterns
* Applied Test-Driven Development using **Junit** and **Mockito Unit Testing** for a **Spring Boot** **REST API**
* Communicated with different team members to develop a fully functional apps using different languages mainly **Java**
* Collaborated with developers to create a robust full-stack **Java** project

**PROJECTS**

**Chat App – Blink Talk (Java, Spring boot, JWT, React, JavaScript, MySQL, WebSocket)** [Link](https://spring-chat-frontend.vercel.app/) **|** [GitHub](https://github.com/domswaby/spring-chat-frontend)

*Chat app built from scratch using WebSocket for concurrent update between users*

* Guided team of 3 in developing custom APIs using **Java Spring Boot**
* Composed a user-friendly UI for user login, with security configurations and JWT token
* Leveraged React to design and develop an intuitive and visually appealing frontend; deployed the frontend application on **Vercel**; backend application on **Render**
* Orchestrated the implementation of a **WebSocket** protocol, transforming the chat functionality into a lively and responsive experience for users

**Pokémon Trainer Management Syst bem (Java, AWS, JUnit, JWT, Spring boot, JIRA)** [GitHub](https://github.com/jimvic37/Pokemon-Trainer-Management-System)

*Pokémon trainer management system custom API built from scratch, JWT token integrated with JUnit test*

* Led a team of 3 in creating a custom Pokémon Trainer Management System API from scratch
* Led the successful implementation of **JWT token** for user authentication, strengthening system security and reducing potential vulnerabilities
* Developed scalable and secure APIs using **Spring Boot**, facilitating seamless communication between applications
* Directed the deployment of the application on **AWS** ensuring a secure environment

**Space Mission Launch Data Analysis(Python, Pandas, NumPy, Selenium, Seaborn, Matplotlib)** [GitHub](https://github.com/jimvic37/space_mission_analysis)

*Data analysis project build from scratch to visualize and drive insights of the data*

* Implemented Python packages such as **Pandas**, **NumPy**, **Seaborn**, and **Matplotlib** to extract, clean, analyze, and visualize space mission launch data
* Created a custom web scraper using **Python** **Selenium** to extract data from nextspaceflight.com, expanding the range and scope of the dataset
* Adopted Google Colaboratory to clean and visualize the data, highlighting key insights and trends

**SKILLS**

* **Programming Languages**: Java, Python, R, JavaScript, HTML, CSS,
* **Technologies**: React, Spring boot, AWS, Git, Selenium, NumPy, Matplotlib, Seaborn, Pandas, Tableau, Excel
* **Database Management Systems**: MySQL, Oracle, Oracle PL/SQL, MongoDB