Jihun (Ethan) Shin

Dallas, TX | jimvic37@gmail.com | Personal Website | GitHub | LinkedIn

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** Aug 2018 – Dec 2022
Information Technology, Database Technology and Programming concentration
Major GPA: 3.7

WORK EXPERIENCE

Java Developer Remote, USA
Cognixia USA Jun 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 | GitHub
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 System (Java, AWS, JUnit, JWT, Spring boot, JIRA) GitHub
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
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