Jihun(Ethan) Shin

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EDUCATION & CERTIFICAITONS

BS   **George Mason University, Fairfax, VA**   Aug 2018 – Dec 2022
Information Technology, Database Technology and Programming concentration
Major GPA: 3.7

Oracle Database 12c Administrator Certified Associate   Jan 2023
AWS Cloud Practitioner Foundational   Jan 2023
AWS Solutions Architect – Associate   Nov 2023 expected

PROJECTS

Space Mission Launch Data Analysis(Python, Pandas, Numpy)   Feb 2023
Data analysis project build from scratch to visualize data
- Independently utilized **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.
- Utilized **Google Colaboratory** to effectively clean and visualize the data, highlighting key insights and trends.

Pokémon Trainer Management System (Java, AWS, JUnit, JWT, Spring boot, JIRA)   Aug 2023
Pokémon trainer management system custom API built from scratch, JWT token integrated with JUnit test
- Led a development team in creating a custom Pokémon Trainer Management System API from scratch.
- Integrated JWT token for user authentication and security.
- Built custom APIs using Spring Boot.
- Deployed the application on AWS with robust security configurations.

Chat App – Blink Talk (Java, Spring boot, JWT, React, Javascript, MySql, Web socket)   Nov 2023
Chat app built from scratch using websocket
- Used Java spring boot to build custom APIs for backend.
- Created a user-friendly UI for user login, with security configurations and JWT token.
- Used react to develop frontend and deployed the app on heroku and vercell.
- Implemented websocket to lively update the chat between different users.

SKILLS

- Programming Languages: Java, Python, R
- Web development: HTML, CSS, JavaScript, React
- Database Management Systems: MySQL, Oracle, Oracle PL/SQL, MongoDB
- Data Visualization: Tableau
- Cloud Computing: AWS
- Office Productivity Tools: Microsoft Office Suite
- Frameworks: Spring boot
- Version Control: Git
- Project Management: JIRA

WORK EXPERIENCE

Java Developer   Jun 2023 – Present
Cognixia USA
Remote, USA

- 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