**Jihun(Ethan) Shin**

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**EDUCATION & CERTIFICATION**

AWS Solutions Architect – AssociateNov 2023 expected

Oracle Database 12c Administrator Certified AssociateJan 2023

AWS Cloud Practitioner FoundationalJan 2023

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

Information Technology, Database Technology and Programming concentration

Major GPA: 3.7

**PROJECTS**

**Chat App – Blink Talk (Java, Spring boot, JWT, React, Javascript, MySql, Websocket)** Nov 2023

*Chat app built from scratch using Websocket*

* Guided team of 3 in developing custom APIs using Java Spring Boot, optimized backend operations reducing response time by 40%
* Created a user-friendly UI for user login, with security configurations and JWT token, resulting in a 20% increase in successful logins and enhanced data privacy
* Leveraged React to design and develop an intuitive and visually appealing frontend; deployed the application on Heroku and Vercel
* Orchestrated the implementation of a websocket protocol, transforming the chat functionality into a lively and responsive experience for users, resulting in a 75% decrease in message delay and enhanced user engagement

**Pokemon Trainer Management System (Java, AWS, JUnit, JWT, Spring boot, JIRA)** Aug 2023

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

* Led a team of 3 in creating a custom Pokemon 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

**Space Mission Launch Data Analysis(Python, Pandas, Numpy)** Feb 2023

*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
* Web development: HTML, CSS, JavaScript, React
* Database Management Systems: MySQL, Oracle, Oracle PL/SQL, MongoDB
* Cloud Computing: AWS
* Frameworks: Spring boot
* Version Control: Git

**WORK EXPERIENCE**

Cognixia USAJun 2023 – Present

**Java Developer**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
* Communicated with different team members to develop a fully functional apps using different languages mainly Java