Jihun (Ethan) Shin

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

EDUCATION & CERTIFICATION

Mathematics for Machine Learning: Linear Algebra	Feb 2024
AWS Cloud Practitioner Foundational	Jan 2023
Oracle Database 12c Administrator Certified Associate	Jan 2023

Georgia Institute of Technology
Atlanta, GA
M.S in Computer Science
Aug 2024 - May 2026(Expected)

George Mason University
Fairfax, VA
B.S in Information Technology
Aug 2018 – Dec 2022
Database Technology and Programming Concentration

WORK EXPERIENCE

Software Tester 4
Plano, TX
Samsung Electronics America (via MOA Staffing Inc.)
Jan 2024 – Present
- Spearheaded execution and validation of QA field test plans, resulting in a **20%** reduction in testing time while ensuring adherence to Network Operator requirements.
- Documented and tracked user equipment hardware and software defects, leading to a **30%** increase in defect resolution efficiency through bug tracking.
- Applied analytical insights from field testing logs, leading to a **25%** enhancement in test case effectiveness and defect identification using Key Performance Indicators (KPIs).
- Enhanced test scope and coverage by 20% through software release notes and new feature integrations.
- Employ expertise in planning and performing QA mobile field interoperability testing, utilizing advanced UE post-processing tools such as **QXDM**, **QCAT**, and **Wireshark**.
- Demonstrate proficiency in LTE and 5G air interface technologies, network architectures, Radio Access Network (RAN), IP Multimedia Subsystem (IMS) features, and over-the-air (OTA) signaling protocols.

Java Developer
Remote
Cognixia USA
Jun 2023 – Dec 2023
- 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 fully functional apps using different languages mainly **Java**.
- Collaborated with developers to create a robust full-stack **Java** project.
- Utilized different **Generative AI** tools to build AI models.
- Specialized in **OOP(Object-oriented programming)** for better coding practice.

PROJECTS

Hackathon(Via Code report)
Event focused on Java programming and computer science
Nov 2023
- Engaged in a high-intensity 2-hour hackathon, demonstrating proficiency in **Java** programming language under time constraints.
- Successfully solved **200+** questions regarding software engineering, including but not limited to cloud computing and **REST API** development.

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
Nov 2023
- Led 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**.
- Managed the implementation of a **WebSocket** protocol, transforming the chat functionality into a lively and responsive experience for users.

SKILLS

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