

# Jihun(Ethan) Shin

Dallas, TX | [jimvic37@gmail.com](mailto:jimvic37@gmail.com) | [Personal Website](#) | [Github](#) | [Linkdeln](#)

## EDUCATION & CERTIFICATION

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	AWS Solutions Architect – Associate	Nov 2023 expected
	Oracle Database 12c Administrator Certified Associate	Jan 2023
	AWS Cloud Practitioner Foundational	Jan 2023
BS	<b>George Mason University, Fairfax, VA</b> Information Technology, Database Technology and Programming concentration Major GPA: 3.7	Aug 2018 – Dec 2022

## PROJECTS

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<b>Chat App – Blink Talk (Java, Spring boot, JWT, React, Javascript, MySql, Websocket)</b> <i>Chat app built from scratch using Websocket</i>	Nov 2023
<ul style="list-style-type: none"><li>- Guided team of 3 in developing custom APIs using Java Spring Boot, optimized backend operations reducing response time by 40%</li><li>- 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</li><li>- Leveraged React to design and develop an intuitive and visually appealing frontend; deployed the application on Heroku and Vercel</li><li>- 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</li></ul>	
<b>Pokemon Trainer Management System (Java, AWS, JUnit, JWT, Spring boot, JIRA)</b> <i>Pokemon trainer management system custom API built from scratch, JWT token integrated with JUnit test</i>	Aug 2023
<ul style="list-style-type: none"><li>- Led a team of 3 in creating a custom Pokemon Trainer Management System API from scratch</li><li>- Integrated JWT token for user authentication and security</li><li>- Built custom APIs using Spring Boot</li><li>- Deployed the application on AWS with robust security configurations</li></ul>	
<b>Space Mission Launch Data Analysis(Python, Pandas, Numpy)</b> <i>Data analysis project build from scratch to visualize and drive insights of the data</i>	Feb 2023
<ul style="list-style-type: none"><li>- Implemented Python packages such as Pandas, NumPy, Seaborn, and Matplotlib to extract, clean, analyze, and visualize space mission launch data</li><li>- Created a custom web scraper using Python selenium to extract data from nextspaceflight.com, expanding the range and scope of the dataset</li><li>- Adopted Google Colaboratory to clean and visualize the data, highlighting key insights and trends</li></ul>	

## SKILLS

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- 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

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<b>Cognixia USA</b> <b>Java Developer</b>	Jun 2023 – Present Remote, USA
<ul style="list-style-type: none"><li>- Developed a Full suite Spring Boot REST API, implementing Spring Security, Hibernate, JPA, and Mockito Test Suite</li><li>- Designed databases under principles of Normalization and ACID and SOLID patterns</li><li>- Applied Test-Driven Development using Junit and Mockito Unit Testing for a Spring Boot REST API</li><li>- Communicated with different team members to develop a fully functional apps using different languages mainly Java</li></ul>	