Lee Jia Keat

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EMPLOYMENT

PSA International   **August 2023 – April 2024**
Intern
- Built a full-stack web application using Java Spring Boot and Angular to implement new requirements and migrate existing features from legacy systems.
- Built REST APIs using Spring Data for database access, to interface with client applications and external parties.
- Addressed production bugs and improvements in existing applications, using Azure DevOps to track tasks.
- Used Tanzu Apps Metrics to monitor and debug deployed systems using logs and dashboards.

CrimsonLogic Pte Ltd   **March 2019 – August 2019**
Intern
- Performed System Integration Testing, Sanity Testing, User Acceptance testing to facilitate quality assurance.
- Maintained Selenium automation test scripts for regression testing, to ensure expected system behavior.

PROJECTS

Iconoclasm   **August 2022 – April 2023**
Serialization, VFX Programmer (Team of 10)
- Built systems for a custom game engine to develop a 3D hack and slash action game.
- Implemented resource management system, reflection framework to handle game and engine assets.
- Implemented simple post-processing shaders for interesting visual effects.

Canvars   **March 2023 – April 2023**
Programmer, Administrator (Team of 5)
- Built a simple portfolio showcase web app hosted using Amazon Web Services (AWS) Amplify.
- Set up AWS Identity Access and Management (IAM) Identity Center to allow resource access.
- Implemented user authentication, authorization, UI, and cloud database integration to meet requirements.

EDUCATION

DigiPen Institute of Technology Singapore   **April 2024**
Bachelor of Science in Computer Science in Real-Time Interactive Simulation
- Graduated Honors with Distinction (GPA: 4.18/5.0)

CERTIFICATIONS

- AWS Certified Cloud Practitioner, Amazon Web Services (AWS)   **Jan 2024 – Jan 2027**

SKILLS

- **Skills:** Data Structures and Algorithms; Software Development; Game Development; Cloud Development; Web Development; Object Oriented Programming; Graphics Programming; Game Programming Patterns
- **Programming Languages:** C, C++, C#, Python, JavaScript, TypeScript, GLSL, Java, Oracle SQL
- **Frameworks and Libraries:** OpenGL, Angular, SvelteKit, Spring, Spring Boot, Selenium WebDriver
- **Tools:** Azure DevOps, Linux, WSL, Unity, Microsoft Visual Studio, VS Code, IntelliJ IDEA, AWS EC2, Oracle Database, Git, GitHub, Trello, Vercel, AutoHotKey, Microsoft Office, Microsoft Teams, Blender
- **Languages:** Native English, Limited Working Chinese, Elementary Japanese