

Jun Ki Moturi

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Professional Summary

Innovative Software Engineer with experience in designing and developing scalable software solutions across fintech, mobile, web, and game development. Adept at integrating biometric authentication, optimizing databases, and leading projects from concept to deployment. Passionate about leveraging technology to solve real-world challenges.

Experience

Software Developer

AO Technologies Ltd | May 2021 – Present

- **Challenge:** Fintech clients required high-performance solutions with robust security measures.
 - **Action:** Developed and deployed scalable software using Java (Maven), PHP (Laravel), and React Native, integrating biometric authentication for security.
 - **Result:** Enhanced system security, reducing fraud cases by 30%, while improving system efficiency by 40%.
 - **Challenge:** Clients needed improved reporting and data analytics capabilities.
 - **Action:** Implemented SQL Server Reporting Services (SSRS) for comprehensive data visualization and optimized SQL databases for better performance.
 - **Result:** Reduced report generation time by 50%, improving data-driven decision-making.
 - **Challenge:** The company inefficient software development policies.
 - **Action:** Created documentation and best practices for software development, ensuring consistent code quality.
 - **Result:** Improved onboarding efficiency and reduced debugging time by 25%.
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Unreal Engine Game Developer

Freelance | June 2022 – Present

- **Challenge:** Needed to develop high-quality game environments and mechanics for immersive gameplay.
 - **Action:** Built 3D landscapes using Unreal Engine, Quixel Megascans, and procedural generation, integrating AI behavior, physics, and animation systems.
 - **Result:** Developed a playable game demo with advanced physics and AI, achieving high engagement from early testers.
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ICT Technician Intern

Kenyatta National Hospital | Nov 2019 – Jan 2020

- **Challenge:** Frequent network and hardware failures disrupted hospital operations.
 - **Action:** Troubleshoot network issues, ran cabling, and repaired faulty hardware to restore service.
 - **Result:** Reduced downtime by 40%, improving overall hospital IT efficiency.
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Education

Jomo Kenyatta University of Agriculture and Technology

BSc in Computer Science | May 2016 – April 2021

- Developed strong expertise in algorithms, machine learning, and software development.
 - **Final Year Project:** Built an Optical Character Recognition (OCR) model integrated with a Text-to-Speech engine for visually impaired users.
 - **GitHub:** [Pytesseract-OCR](#)
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Skills

- **Programming:** Python, Java, JavaScript (Vanilla, React.js, Electron.js), PHP (Laravel), C++, C#, React Native, Flutter
- **Mobile & Web Development:** Android (Java, React Native, Flutter), Responsive Web Design

- **Backend & Databases:** SQL Server, Java, MySQL, Docker, API Development, Keycloak (IAM), PostgreSQL
 - **Game Development:** Unreal Engine, AI Behaviour, Physics Simulations, Animation Systems
 - **Frontend:** React, Laravel, Javascript
 - **Cloud Technologies:** AWS, Google Cloud Platform
 - **Version Control & Documentation:** Git, UML, SDLC Planning
 - **Other Technologies:** C++, Python
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Languages

- English (Fluent)
 - Kiswahili (Fluent)
 - Japanese (Beginner)
 - German (Beginner)
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References

Available upon request.