

# JAMES MOKUA

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## Skills

- C# | .NET | Java | JavaScript | TypeScript | C++ | C | CosmosDB | MSSQL | Node | Express | React | Three JS | Redux | jQuery | NoSQL | Git
- Azure | Cloud Computing | CI/CD | XUnit | Jest | Cucumber | Nightwatch | Unit Testing | Lambda | OOP | Unity 2D | Game Development
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | English, Swahili – *All professional proficiency or above*

## Experience

**Software Engineer** **M-Builds** *Nairobi, Kenya* **01/2022 - Present**

- Led the design and development of multiple enterprise-level microservice applications, using the latest technologies of **Azure, C#, .NET, Cosmos DB, Azure Functions, Key Vault, and MS Graph**.
- Designed and implemented scalable APIs and background workers for managing first- and third-party proprietary licenses using **.net Core, Azure Functions**, and other **Azure cloud technologies** that serve thousands of license requests daily.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Enriched system metrics by integrating the platforms with telemetry; facilitated in-depth logging by correlating APIs with vector contexts.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

**Software Engineer, Contract** **Arklight International** *Nairobi, Kenya* **04/2022 - 02/2023**

- Implemented enterprise management applications for the various branches using **Java, React**, AngularJS, AWS, and DynamoDB.
- Automated and optimized business logic for the core marketing experiments, including A/B, Auto-Targeting, and Multivariate Testing.
- Completely automated the marketing platforms' user-experience testing process by integrating Nightwatch Selenium.

**Software Engineer, Contract** **Meliora Technologies Limited** *Nairobi, Kenya* **09/2022 - 12/2022**

- **Reported directly to CPO:** Engineering lead for designing and developing the fintech transaction dashboard that provides a rich visual summary of daily user purchase patterns powered by [Google Chart](#). Used by the board of directors in the decision-making process.
- Engineering owner of the E2E experience of the commerce platform's cancel, return, and exchange systems (PC/Mobile).
- Integrated multiple third-party systems with the Stripe platform, including M-Pesa, increasing total revenue.

**Software Development Engineer** **Freelancer** *Nairobi, Kenya* **07/2021 - 01/2022**

- Designed and implemented enterprise website applications such as e-commerce platforms for small and medium sized businesses, driving up monthly revenue using **C# .NET, MVC, MSSQL, node, react, redux**, and jQuery.

**Software Engineer, Intern** **Eliminist Devs** *Nairobi, Kenya* **09/2020 - 07/2021**

- Designed dynamic and browser compatible pages using React JS, TypeScript, Node and UI libraries like Fluent UI

## Education

**Bachelor of Science** **Jomo Kenyatta University of Agriculture and Technology** *Nairobi, Kenya*

- Major in Business Information Technology

## Projects

- **SELF DRIVING CAR:** A self-driving car simulation that implements neural networks and machine learning all in JavaScript. **(05/2022)**
- **CHAT-PDF:** AI powered application that takes in a document and can answer questions that you prompt it with based off the document **(09/2023)**

## Mentorship

- **Arklight International School:** Mentor responsible for mentoring and teaching kids how to code in Scratch to students from Grade 4 to Grade 8 **(09/2022 - 11/2022)**

## Others

- **Cybersecurity:** Gained Cybersecurity certification through the CISCO Platform **(08/2023)**