

# MOHAMED UKASH

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## Professional Summary

I'm a versatile full stack engineer who builds real-world applications that actually get used. I've worked across both frontend and backend, and I'm comfortable taking a project from idea to deployment. I write clean, maintainable code, and I've set up systems that are reliable and easy to scale. Lately, I've been diving deeper into DevOps and cloud infrastructure to sharpen how I deliver and manage production-ready software

## Technical Skills

- Languages: Php, Python, TypeScript, Php
- Frontend: React, Redux, Next.js, Tailwind CSS
- Backend: Django, Laravel , FastAPI
- Databases: PostgreSQL, MySQL, MSSQL, Redis
- DevOps & Cloud: AWS, Docker, Terraform, (GitHub Actions)

## Work History

**SOFTWARE DEVELOPER** 12/2020 to 11/2024

**Mandela Group** – Uganda

### Outline

Contributed to digital transformation across Mandela Group's diverse business units — including restaurants, fuel stations, manufacturing, and automotive — by building scalable systems that enhanced operational efficiency, automated workflows, and enabled real-time business insights.

- Migrated branch operations from a legacy platform to a real-time API-driven system enhancing accuracy and reducing system downtime.
- Implemented **CI/CD** pipelines to automate production deployments, dramatically reducing update windows and eliminating system downtime.
- Optimized database queries and indexing, reducing API response times and improving system scalability under peak loads
- Built a custom, responsive admin dashboard that enabled inventory and asset tracking across branches. Empowered managers with actionable data and branch-level visibility, improving decision-making and reducing equipment loss incidents by 70%

- Standardized development workflow, introducing branching strategies and peer reviews that decreased production bugs by 40% and improved team collaboration

**Tech Stack:** Django, Laravel, React, AWS, PostgreSQL, GitHub Actions, Redux, Typescript, Docker

## Freelance

02/2025 to 04/2025

### WonderLand Arcades – Remote

- Developed a custom booking module allowing customers to reserve arcade space for events such as birthdays, capturing key details like event type, date, number of attendees, and optional services including decoration and videography
- Created a sales tracking feature that shows daily arcade and café sales, expenses, and total profit, with options to download the data as PDF or Excel for easy reporting
- Developed an inventory management system with support for categories, subcategories, suppliers, and detailed stock tracking — including quantity on hand, unit cost, expiration dates, and restock alerts, with export options to PDF
- Built a dynamic calendar that automatically displays recurring events like “Ladies Night” and pulls additional entries from customer bookings, providing a centralized view for management scheduling

Tech Stack : Laravel, React, Typescript

## Freelance

10/2024 to 04/2025

### GasStation Software – Remote

- Built and deployed a full-stack system to manage fuel inventory, credit sales, expense tracking, and detailed sales monitoring across pumps and meters.
- Developed a visual analytics dashboard using charting libraries and filters to help station managers evaluate monthly sales, credit fuel volumes, and expenses, enabling them to track performance trends and make informed business decisions.
- Developed a shift-level cash discrepancy check by reconciling actual revenue against safe deposits, accounting for credit sales, expenses, and mobile or bank payments — enabling clear visibility into shortfalls or handling errors
- Enabled filtered data export to PDF and Excel, allowing managers to generate precise, audit-ready reports directly from the table view.

**Tech Stack:** Django, React, Vercel AWS, Docker, Terraform

## Education

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**Certified Software Engineer:** Software Engineering

**APTEC** - UGANDA

**Bachelor of Science:** Computer Science

**ISBAT UNIVERSITY** - UGANDA