

David Udoeyop

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Education

University of North Carolina at Charlotte – BSC Computer science

DEC 2024

Skills

Languages: Python, Java, JavaScript, Ruby, C++

Frameworks/Library: ReactJS, NextJS, Django, REST Framework, Express, Ruby on Rails, Node.js

Databases: RDBMS - MySQL, PostgreSQL, SQLite, NoSQL – MongoDB

Other: Git, NodeJs, Azure, Docker, Excel, MS Access, Jenkins, Github

Experience

Software Engineer Intern, Jumia – Remote

JUNE 2024 – AUG 2024

- Engineered a 30% improvement in application responsiveness by optimizing RESTful APIs and MongoDB schemas for an enterprise-scale Express.js app, supporting 50+ internal users.
- Reduced deployment time by 40% through automated CI/CD pipelines using GitHub Actions, integrating automated testing and containerization (Docker) to streamline releases.
- Designed 12+ RESTful endpoints to enhance frontend-backend communication, enabling real-time data retrieval and user interactions for critical workflows.
- Collaborated with product and QA teams in Agile sprints, delivering 3 major client-driven features ahead of deadlines.

Frontend Engineer, Grandhouse Analytics– Abuja, Nigeria

JUNE 2023 – AUG 2023

- Modernized a legacy ecommerce platform's UI using React and Figma, achieving a 40% boost in user engagement and 25% faster page loads via code-splitting and lazy loading.
- Architected 15+ reusable React components, slashing code redundancy by 50% and accelerating feature development by 35%.
- Leveraged WebPageTest to monitor performance, identifying and resolving bottlenecks that improved cross-browser consistency by 30%.
- Conducted user feedback sessions to iterate on UX/UI designs, reducing bounce rates by 20% post-redesign.

Projects

Dual Container App (2024)

[GitHub](#)

- Designed and deployed a dual-container blog application leveraging Microsoft Azure Kubernetes Service (AKS) for cloud deployment, management and scaling.
- Developed the backend API using Ruby on Rails, deployed within a Docker container running on a Linux operating system.
- Utilized SQLite to write and execute complex SQL queries, including data extraction, triaging, updates, and inserts, for efficient storage, management, and manipulation of structured data.
- Built the Next.js frontend, integrating Axios to fetch data from the API, implementing Next.js App Router for routing, and crafting reusable REACT components for maintainability. Dockerized Next.js to make it compatible with azure container apps.

EAFC25 Player Price Tracker (2025)

[GitHub](#)

- Engineered an automated Python data pipeline with GitHub Actions (YAML) to scrape EAFC25 player stats and market prices hourly, storing structured data in AWS RDS for real-time analysis, eliminating manual intervention through scheduled workflows.
- Engineered a price history tracking system with SQL table relationships to record hourly fluctuations, enabling trend analysis (e.g., price surges/drops) for 500+ player cards.
- Built interactive Power BI dashboards to visualize price trends, identify top-valued player cards, and highlight volatility patterns, reducing manual analysis time by 70%.
- Designed a scalable AWS architecture to handle 10,000+ hourly data entries, optimizing query performance for analysis.