# Michael Magero
# Senior Senior Backend Engineer

## SUMMARY

An accomplished Senior Backend Engineer with a solid 6-year track record in the tech sector, specializing in APIs, databases, and system optimization. Expertise in software architecture and Agile development using key technologies such as Node.js (NestJs, ExpressJs), React Native, TypeScript, and JavaScript. Proficient in CI/CD with CircleCI, containerization with Docker, and cloud deployment on AWS and GCP. Demonstrable success in leading development projects and teams, evidenced by the delivery of scalable and performant web/mobile applications and innovative software solutions. Holds a Bachelor's degree in Business Information Technology from the Technical University of Kenya.

## TECHNICAL SKILLS

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|---|---|
| **Main Technical Skills** | TypeScript, JavaScript, Node.js, Express, NestJS |
| **Programming Languages** | JavaScript, TypeScript |
| **UI Frameworks, Libraries, and Browsers** | Ant Design, XML |
| **JavaScript Frameworks** | Express, NestJS, Next.js, Node.js, React |
| **JavaScript Libraries and Tools** | React Native |
| **Data Analysis and Visualization Technologies** | Celonis, Data visualization |
| **Databases & Management Systems / ORM** | Data Lake |
| **Cloud Platforms, Services & Computing** | DigitalOcean |
| **Google Cloud Platform** | GCP BigQuery, Google Docs |
| **SDK / API and Integrations** | API, Stripe |

| Methodologies, Paradigms and Patterns | Architecture and Design Patterns, FDD |
|---|---|
| Deployment, CI/CD & Administration | CI/CD |
| Third Party Tools / IDEs / SDK / Services | Excel |
| Project Management & Administration | Problem Solving |
| QA, Test Automation, Security | QA Automation |
| Mail / Network Protocols / Data transfer | SMS |
| Other Technical Skills | Teamwork |

## WORK EXPERIENCE

### Technical Lead & Software Engineer, Company's Backend System and Website

**Duration:** Nov 2023 - present
**Summary:** Led the development of backend architecture and API, server architecture, and landing page while coordinating team collaboration and leading training sessions.
**Responsibilities:** Develop backend architecture and API, develop server architecture and deployment pipelines, lead product development and development team, coordinate collaboration, lead training and onboarding.
**Technologies:** NodeJs (NestJs), Docker, Circle CI, NextJs

### Senior Software Engineer, Freelance Software Engineering Projects

**Duration:** April 2021 - August 2023
**Summary:** Developed mobile applications, led development teams in software architecture, and code review, along with creating technical documentation.
**Responsibilities:** Develop mobile apps, integrate payment gateways, lead software architecture and development, conduct code review and optimization, lead testing and QA, develop backend tools, create technical documentation.
**Technologies:** React Native, Stripe, Paypal, Lemonsqueezy, Paddle

### Backend Lead, CarstoreHQ Platform Development

**Duration:** October 2021 - April 2022
**Summary:** Developed REST API, configured servers, integrated third-party APIs, implemented SMS notifications, and optimized website load response.
**Responsibilities:** Develop REST API, set up servers, integrate payment gateway, implement SMS notifications, optimize asset loading, develop

administration back office.
**Technologies:** REST API, AWS, Digital Ocean, CDNs

**Software Engineer, Application Processing and Onboarding Portal**

**Duration:** January 2021 - August 2021
**Summary:** Built a client-facing website and web portal, developed a web-based tool for applications, and implemented a payment gateway integration.
**Responsibilities:** Build client-facing website and web portal, develop database structures, develop REST API and Refiner tool, implement payment gateway integration.
**Technologies:** NodeJS, ReactJS, Stripe

**Backend Engineer / Product Development Lead, Cloud-Based Retail Management System**

**Duration:** September 2018 - July 2021
**Summary:** Led a team in developing a cloud-based Retail Management System and built REST API for integration with various third-party services.
**Responsibilities:** Lead development team, research and select framework, develop retail management system, build REST API, implement and coordinate system policies.
**Technologies:** REST API, Three-pane systems

**Web Developer, Website Development Projects**

**Duration:** Data not provided
**Summary:** Participated in the full development lifecycle of website projects and streamlined the content management system.
**Responsibilities:** Full development lifecycle involvement, technology research, website design and build, project milestone establishment, user requirements translation to designs.
**Technologies:** Technologies not specified

## EDUCATION

- **Bachelor of Technology Business Information Technology**
  Technical University of Kenya
  2012 - 2016