





Habtamu Bogale


Senior FullStack Engineer

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Profile

Full Stack Developer with 5+ years of experience building performant, scalable web applications. Proven track record of delivering real-time applications using Redis, Docker, and Elasticsearch. Strong foundation in OOP, RESTful API design, and clean architecture.

Education

2014 – 2019
Addis Ababa, Ethiopia

Computer Engineering
Addis Ababa University
Relevant Coursework's: Data Structures & Algorithms, Software Engineering, OOP, Systems Design

Technical Summary

Languages

JavaScript, TypeScript, SQL

Tools and DevOps

Docker, Docker Compose, GitHub Actions, CI/CD

Frontend

React.js, Next.js, Vue.js, Tailwind, Redux Toolkit, Socket.io

Databases

PostgreSQL, MongoDB, Redis, Elasticsearch

Backend

Node.js, Express.js, NestJS, RESTful APIs, Microservices



Other

System Design, Agile/Scrum, Code Reviews

Key Skills

- Designing scalable RESTful APIs and backend systems
- Real-time data processing using WebSockets and Redis
- Strong problem-solving and system debugging experience
- Optimizing frontend performance with code-splitting, lazy loading
- Team collaboration through code reviews, agile ceremonies, and mentorship
- Production deployment via DigitalOcean App Platform & VPS (PM2/Nginx)




Projects

2024 – present	<p>MedQuizet </p> <p><i>Personalized Medical Learning Platform</i></p> <ul style="list-style-type: none">• Led the frontend development using React.js and Tailwind with dark/light theme support• Integrated APIs for session management and quiz rendering with Redux Toolkit• Built features like note-taking, MCQs, instant validation, and pagination• Improved frontend load times using code-splitting and lazy loading
2023 – 2024	<p>Boat Bouncer </p> <p><i>Peer-to-Peer Boat Rental Platform</i></p> <ul style="list-style-type: none">• Sole full-stack developer for MVP using Next.js, Tailwind, and ExpressJS backend• Designed and implemented secure REST APIs, booking flow, and Stripe payments• Integrated Mapbox for geo-search and WebSocket chat for real-time messaging• Deployed frontend via DigitalOcean App Platform and backend using Droplet with PM2 for process management and Nginx as reverse proxy
2022 – 2023	<p>Place Guide Web App (Full Stack Developer for internal Project at OM Engineering)</p> <p><i>Location-Based Service App</i></p> <ul style="list-style-type: none">• Developed an optimized algorithm to process 3M+ geospatial addresses, enabling real-time proximity-based service matching at scale• Implemented Redis caching to reduce response times by 90% for high-cost, frequently accessed queries• Built advanced geospatial search using Elasticsearch with multi-criteria filters, achieving sub-second response times under heavy load

Experience Highlights

<ul style="list-style-type: none">• Built and optimized complex geospatial search queries using Elasticsearch across 3M+ records, achieving sub-second responses• Designed scalable API layers for user authentication, payments, and messaging	<ul style="list-style-type: none">• Integrated Redis caching in Node.js apps to reduce API latency by 90%• Participated in regular code reviews and mentored junior developers on best practices
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Certifications & Learning

<ul style="list-style-type: none">• Completion Certificate for Front-End Web Development with React • Completion Certificate for Neural Networks and Deep Learning 	<ul style="list-style-type: none">• Completion Certificate for Structuring Machine Learning Projects 
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Availability

- Open to full-time or contract opportunities. Ready to relocate or work remotely.