

ABNET MELAKU

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 4 years of experience designing, building, and scaling production-grade web applications and distributed systems. Experienced in delivering end-to-end solutions across frontend, backend, and cloud infrastructure using React, Next.js, Node.js, TypeScript, GraphQL, and AWS/DigitalOcean. Strong background in system design, performance optimization, background job processing, and infrastructure scaling with a proven ability to improve system efficiency, reduce operational costs, and deliver production-ready systems.

TECHNICAL SKILLS

Languages & Frameworks | JavaScript (ES6+), TypeScript, C#, React, Next.js, Node.js, Express.js, NestJS, .Net
Backend & APIs | GraphQL, REST APIs, Prisma, PostgreSQL, MongoDB
Cloud & DevOps | AWS (EC2, S3, SES, RDS, AppSync), DigitalOcean (Droplets, Auto Scaling), Docker, CI/CD, Git, PM2, T
Distributed Systems | Redis, BullMQ, background job processing, queue-based architectures
Frontend & UI | Tailwind CSS, Material UI, Shadcn UI, Redux (Thunk), i18n, Responsive Design
Testing | Jest, Vitest
Engineering Practices | System Design, Performance Optimization, Agile/Scrum, Code Reviews
Infrastructure as Code & DevOps | Terraform, Ansible, Docker

EXPERIENCE

Senior Full Stack Engineer | Contract | Marketpal

Oct 2025 – Present

- Develop scalable web applications using Next.js, React, Redux, and TypeScript.
- Implement SSR/SSG strategies to improve SEO, performance, and load optimization.
- Collaborate with backend teams on GraphQL API design and integration.
- Write and maintain Jest unit and integration tests to ensure system reliability.
- Optimize frontend performance across large-scale dashboard applications.

Infrastructure & System Engineering

- Migrated backend services to DigitalOcean, reducing infrastructure costs and improving maintainability.
 - Implemented DigitalOcean auto-scaling architecture to handle variable production workloads.
 - Designed and implemented a fair lead distribution system from scratch and deployed it to production.
 - Built background job processing system using Redis and BullMQ for asynchronous task execution.
 - Managed production infrastructure using DigitalOcean droplets, Redis caching, and queue-based systems.
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Full Stack Developer | Freelance

Aug 2025 – Oct 2025

- Built a real-time consulting platform connecting clients with experts using React, Node.js, and WebSocket.
 - Implemented authentication, session management, and real-time chat systems.
 - Developed a WordPress-based portfolio website optimized for SEO and performance.
 - Translated client requirements into scalable full-stack solutions across multiple domains.
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Full Stack Developer & Trainer | Digital Opportunity Trust

Jun 2024 – Aug 2025

- Developed internal tools to improve workflow automation and organizational efficiency.
 - Mentored 30+ junior developers, improving coding standards and delivery efficiency.
 - Conducted code reviews and provided structured technical feedback.
 - Delivered training programs on full-stack development and applied AI concepts.
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AI Trainer | Digital Opportunity Trust

Apr 2025 – Aug 2025

- Delivered training on Generative AI concepts using OpenAI and Google Gemini.
 - Designed practical, hands-on learning materials for diverse learner groups.
 - Improved learner engagement through project-based and interactive teaching methods.
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UI Lead / Frontend Engineer | Jedan Technologies

Mar 2024 – Nov 2024

- Led frontend architecture for multilingual enterprise dashboards.
 - Built reusable component systems, reducing development time by ~15%.
 - Implemented localization (Amharic, Oromiffa) using i18n for accessibility.
 - Optimized API communication with backend services, improving performance by ~20%.
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Frontend Developer | Jedan Technologies

Dec 2022 – Feb 2024

- Developed responsive e-commerce frontend using React, Tailwind CSS, and Material UI.
 - Integrated backend APIs and optimized frontend performance.
 - Improved user experience and conversion flow through UI enhancements.
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Full Stack Developer Trainee | Evangadi Tech (USA)

May 2021 – Aug 2022

- Built MERN stack applications in a collaborative remote environment.
 - Worked with Agile workflows using Git and peer code reviews.
 - Gained hands-on experience in full-stack development lifecycle.
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EDUCATION

B.Sc. Computer Science

Unity University — GPA: 3.5+ (2023)

REFERENCES

Solomon Tadesse Country Director, Digital Opportunity Trust Email: [Contact](#)

Samrawit Derbe, MSc Lecturer at, Unity University Email: [Contact](#)