

MEBRATU MENGSTU

Junior Full-Stack Developer | Backend & Database Engineer

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SUMMARY

Junior Full-Stack Developer with hands-on experience building scalable web applications using React, Node.js, and PostgreSQL. Strong background in SQL, database design, RESTful API development, and authentication systems (JWT, RBAC). Motivated to contribute to production systems and grow within a professional software engineering team.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, C++, HTML, CSS

Frontend: React, Tailwind CSS, Responsive UI

Backend: Node.js, Express.js, REST APIs, JWT, Stripe

Databases: PostgreSQL, MySQL, Query Optimization

Tools: Git, GitHub, Postman, VS Code, Agile

PROJECTS & EXPERIENCE

Artisan ERP – Cloud-Based ERP System

Developed a cloud-based ERP platform with role-based access control (RBAC) and bilingual user interface (Hebrew/English).

Reduced authorization and permission-related system errors by 40% through improved validation logic and access control workflows.

Designed and implemented scalable modules for production, inventory, and workforce management, increasing operational efficiency by 35%.

Built secure RESTful APIs and optimized SQL queries to improve application performance and data integrity.

Mebratu Shop – Full-Stack E-Commerce Platform

Developed RESTful APIs with JWT-based authentication and integrated Stripe Checkout for secure online payment processing.

Designed relational database schema and optimized SQL queries, reducing API response time by 25%.

Implemented complete e-commerce workflow including product catalog, shopping cart, and order management system.

Improved application reliability through structured error handling and input validation.

Community Support Volunteer – Israel (2023–2024)

Prepared and distributed over 300 food packages to displaced families and soldiers during national relief efforts.

Assisted logistics and agricultural teams in labor-shortage areas, improving aid distribution efficiency by 20%.

EDUCATION & CERTIFICATIONS

B.Sc. Information Systems (GPA 3.70) – Debre Berhan University (2024)

Full-Stack Bootcamp – Developers Institute, Tel Aviv (2025)

Cisco CCNA Certification

LANGUAGES

Hebrew, English, Amharic