

ZINAW SHIFERAW MEKONNEN

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📍 Location: Silver Spring, MD, USA

📁 PROFESSIONAL SUMMARY

Full-Stack Developer and IT Consultant with expertise in SERN stack (SQL, Express.js, React, Node.js) and broad experience in web development, automation, and system integration. Brings 16+ years of multi-industry experience, recently focused on full-stack application development, cloud deployment, and backend API design. Strong command of software engineering principles, with working knowledge of legacy and modern programming languages including Java, Python, C++, and jQuery.

💡 CORE COMPETENCIES

- Full-stack Web Development (React, Node.js, Express, jQuery)
- Object-Oriented Programming (Java, C++, Python)
- RESTful API & Backend Integration
- Database Design (MySQL, MongoDB, PostgreSQL)
- UI/UX & Responsive Design
- Payment Gateway Integration (Stripe)
- Agile/Scrum Project Delivery
- Technical Documentation & Client Communication
- IT Solutions for Aviation (ERP integration, automation, digital records)

📁 TECH STACK

Frontend: HTML5, CSS3, Bootstrap, Tailwind, JavaScript ES6+, React, jQuery

Backend: Node.js, Express.js, REST APIs, Java, Python, C++

Database: MongoDB, MySQL, PostgreSQL, Firebase

Tools: Git/GitHub, Postman, VS Code, Netlify, GitHub Actions, Figma

Others: Agile Methodologies, CI/CD, JSON, XML, UI Testing, Cross-Browser Compatibility, Cybersecurity Basics

📁 PROFESSIONAL EXPERIENCE

Oct 2024 – Present | Full-Stack Web Developer | Freelance + Aviation Consultant
Silver Spring, MD

- Delivered several web applications using React, Node.js, jQuery, and MongoDB.
- Built and deployed customer websites, e-commerce UIs, and portfolio demos.
- Integrated payment systems like Stripe, and implemented RESTful backend services.
- Shared tutorials, contributed to open-source projects, and advised clients on MRO/CAMO IT system needs.

Key Projects:

- **Apple Clone** – Rebuilt *Apple.com* interface with React & Bootstrap.
- **Netflix Clone** – Developed dynamic content UI with genre navigation.
- **Stripe Integration Site** – Full-stack billing site with secure payment APIs.
- **Job Tracker** – Responsive app using Tailwind CSS, jQuery, and vanilla JS.

Oct 2023 – Oct 2024 | Senior Manager, Maintenance Planning | Jazeera Airways

- Developed internal IT tools to digitize maintenance workflows.
- Created automated light/base check generation tools integrated with ERP.
- Used agile practices to enhance cross-functional planning efficiency.

Feb 2023 – Aug 2023 | Senior Manager, Lease Management | Etihad Airways

- Managed lease transitions with the help of custom-built tracking and asset tools.
- Integrated technical lease data into enterprise systems.

Jan 2019 – Feb 2023 | Director, Engineering & CAMO | Ethiopian Airlines

- Led development of digital task card systems and automated reporting.
- Implemented Wi-Fi retrofit solutions with backend data validation tools.

Prior Roles:

- **Manager, Lease Management & EIS** – Delivered A350/B787 records digitally.
- **Avionics Systems Engineer** – Maintained aircraft systems and developed diagnostic tools.

MAJOR TECH PROJECTS

- **zesky.net** – Personal full-stack developer portfolio
- **Netflix Clone** (React, JS, CSS)
- **Apple Clone** (React, Bootstrap)
- **Stripe Payment Site** (Full-Stack, Express)
- **Job Tracker** (Tailwind, JS, jQuery)
- **Maintenance Automation Tool** (Internal, ERP-linked)

EDUCATION

- **MBA, Business Administration** – Jimma University, 2018
- **B.Sc., Electrical Engineering** – Jimma University, 2006

CERTIFICATIONS

- *Full-Stack Web Development (HTML, CSS, JS, React, Node, Express)*
- *Software Engineering with Java and Python (Independent Study)*
- *Project Management*
- *Aircraft Technical Records & Digital Compliance*

PERSONAL DOSSIER

Date of Birth: Oct 22, 1982 | Languages: English, Amharic