ZINAW SHIFERAW MEKONNEN

Senior Full-Stack Developer | Software Engineer
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LinkedIn | GitHub | Portfolio

SUMMARY

Results-driven Full-Stack Developer with 6+ years of focused experience building scalable web applications and optimizing IT systems for aviation and e-commerce. Expert in **JavaScript, TypeScript, React, Node.js, Express, MySQL, PostgreSQL**. Boosted development efficiency by 30% using **ChatGPT** and **GitHub Copilot**. Delivered **paperless maintenance solutions**, achieving 75%-time savings and 12% operational efficiency gains. Proficient in **Agile/Scrum**, **CI/CD**, **REST APIs**, and ERP integrations (AMOS, SAP), delivering user-centric solutions for global clients.

SKILLS

- **Frontend**: React, TypeScript, JavaScript ES6+, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Backend**: Node.js, Express, REST APIs
- **Additional Programming Languages (Working Knowledge)**: C++, Java, Python
- **Databases:** MySQL, PostgreSQL, Firebase, MongoDB
- **Cloud/DevOps:** GitHub Actions
- **Testing:** Jest, Cypress
- **Tools:** Git, Postman, VS Code, Figma, Jira
- **Methodologies**: Agile/Scrum, TDD, OWASP Cybersecurity
- **Prompt Engineering:** ChatGPT, GitHub Copilot for code optimization
- **Aviation IT:** AMOS, SAP, Skywise, flyDocs, Maintenix
- **Soft Skills:** Leadership, Problem-Solving, Client Collaboration

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PROFESSIONAL EXPERIENCE

Senior Full-Stack Developer & IT Consultant

Freelance | Silver Spring, MD, USA | Oct 2024 – Present

- Developed **full-stack web applications** using **React, TypeScript, Node.js, Express**, and **PostgreSQL**, deployed on **AWS EC2** with **Docker**, improving development speed by 30% via **ChatGPT/Copilot**.
- Built **e-commerce platforms** with **Stripe API** and **Tailwind CSS**, achieving 98% uptime and 20% faster load times.

- Contributed to **open-source projects** on GitHub, implementing **Jest** test suites and **GitHub Actions** for CI/CD.
- Consulted aviation clients on **AMOS/SAP integrations** and **Skywise analytics**, streamlining workflows by 15%.

Senior Manager, Maintenance Planning & IT Solutions

Jazeera Airways | Kuwait City, Kuwait | Oct 2023 – Oct 2024

- Engineered **maintenance tracking dashboard** with **JavaScript, MySQL, Python**, reducing unscheduled maintenance by 15% and increasing aircraft availability by 12%.
- Developed **automated maintenance tracker** integrated with **OASES ERP**, cutting planning time from 3 days to 1 hour using **JavaScript**.
- Led **OASES-to-AMOS ERP transition**, validating data with **Python** and **ChatGPT**-optimized scripts.
- Deployed **Skywise analytics dashboards** with **JavaScript/MySQL**, improving dispatch reliability by 10%.

Senior Manager, Lease Management & IT Solutions

Etihad Airways | Abu Dhabi, UAE | Feb 2023 – Aug 2023

- Built **project status tracking system** with **JavaScript, Excel**, and **VBA**, enabling redelivery of 7 aircraft.
- Implemented **flyDocs** for digital records, optimizing data with **MySQL**, improving process efficiency by 20%.

Director, Engineering & Planning

Ethiopian Airlines | Addis Ababa, Ethiopia | Jan 2019 – Feb 2023

- Spearheaded **paperless maintenance project**, deploying tablet-based workflows with **JavaScript, MySQL, React**, reducing paper usage and boosting sustainability.
- Developed **SharePoint portal** with **JavaScript, HTML5, CSS**, improving team collaboration by 20%.
- Upgraded **airworthiness tracking system** with **Python/JavaScript**, boosting compliance by 5%.

TECHNICAL PROJECTS

- **Evangadi Forum** (2025): Secure Q&A platform with authentication, pagination, and rich-text editor.
  Tech: React, TypeScript, Node.js, PostgreSQL, JWT, Tailwind CSS
  Live | GitHub

- **Amazon Clone** (2025): E-commerce platform with cart, checkout, and secure login.
  Tech: React, Node.js, Firebase, Bootstrap
  Live | GitHub
- **Stripe Payment Site** (2025): Secure payment flow with webhook support.
  Tech: JavaScript, Tailwind CSS, Express, Stripe API, MySQL
  Live | GitHub
- **Netflix Clone** (2025): Streaming UI with dynamic carousels and hover animations.
  Tech: React, CSS, JavaScript
  Live | GitHub
- **Apple Clone** (2024): Responsive product showcase with modular layout.
  Tech: React, TypeScript, Bootstrap, SCSS
  Achievements: Optimized for mobile responsiveness across devices.
  Live | GitHub
- **zesky.net Portfolio** (2024): Personal portfolio showcasing full-stack skills.
  Tech: React, TypeScript, Node.js, Tailwind
  Live | GitHub
- **Maintenance Automation Tool** (2023): ERP-integrated system for aviation workflows.
  Tech: JavaScript, MySQL, AMOS
  Achievements: Reduced planning time by 75% for daily/heavy checks.
- **Skywise Dashboard** (2023): Analytics platform for maintenance history.
  Tech: JavaScript, MySQL, Skywise
  Achievements: Improved dispatch reliability by 10%.

EDUCATION

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

CERTIFICATIONS

- **Full-Stack Web Development** | Evangadi | 2025
- **Programming with JavaScript** | Coursera by META| 2024
- **Cloud Computing** | Coursera by IBM| 2024
- **Software Engineering |** Coursera by IBM| 2024
- **Aircraft Technical Records & Digital Compliance** | IATA | 2020

ADDITIONAL INFORMATION

- **Languages**: English (Fluent), Amharic (Native)
- **Interests**: Open-Source Contributions, Tech Blogging, Aviation Innovation