ADISALEM SHIFERAW

Fairfield, Iowa 52556 • +1-641-233-9328 • adslmhads@gmail.com
https://www.linkedin.com/in/adisalem-hadush/

FULLSTACK DEVELOPER

Fullstack Developer with 11+ years of hands-on experience in Angular, React and .NET across fintech, cybersecurity, enterprise systems, and engineering. Specialized in building high-performance dashboards, digital wallets, and real-time trading interfaces using WebSockets, REST APIs, RxJS, and NgRx. Proven ability to enhance system performance, optimize CI/CD pipelines, and deliver secure, scalable, and user-centric applications. Strong collaboration experience in microservices environments with a consistent record of reducing bugs, improving release time, and delivering maintainable architecture.

• Software Design & Architecture • Microservices & Distributed Systems • Performance Optimization & Scalability • CI/CD • Cloud-Native Development • API Design & Integration • Security & Data Integrity • System Reliability Engineering

Languages: C#, Java, C++, Python, JavaScript, Typescript
Web: HTML5, CSS3, REACT
Web Services: RESTFUL API, SOAP, WebSocket, UDP Socket Programming, WCF, XML, JSON
Web/App Servers: APACHE, TOMCAT, ISS, Node.js
Frameworks: .NET, Express.js, Django, Fast API, Flask, Angular
Databases: MS SQL, MYSQL, POSTGRESQL, ORACLE
Design Patterns: Singleton, Observer, Adapter
SDLC: Scrum, Agile, Waterfall
Tools: Maven, Gradle, Jenkins, Docker, Kubernetes, Kubectl, NPM, NPX, Angular CLI/Ng, Kafka, GitHub Actions
Platforms: Windows, Linux
Big Data: Spark python, Pandas

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

PROFESSIONAL EXPERIENCE

SEPA CYBER TECH. GROUP, varna, Bulgaria • 07/2022 – 02/2025
SEPA Cyber Tech. Group specializes in cybersecurity and financial technology solutions.

Sr. Frontend Developer (Remote)
Implement frontend solutions for web financial platforms and optimized transaction efficiency.

- Engineered and optimised modular frontend architectures for fintech dashboards using Angular and TypeScript, improving application performance by 40%.
- Integrated RESTful APIs and WebSocket communication channels for real-time transaction monitoring, enhancing system responsiveness.
- Implemented reusable UI components and state management patterns with RxJS and NgRx, ensuring maintainable and scalable codebases.
- Collaborated with backend teams to align microservice interfaces and API contracts, reducing integration bugs by 25%.
- Enhanced CI/CD pipelines with automated frontend testing and build optimisation using Jenkins and Docker, decreasing release time by 30%.

Technologies Used: Angular, React, JavaScript, TypeScript, HTML5, CSS3, Bootstrap, Jenkins, Docker, RxJS, NgRx.

EXCELLERENT TECHNOLOGY SOLUTIONS, Pittsburgh, USA • 08/2021 – 06/2022
Excellerent Technology Solutions provides IT services and solutions across various industries.

Software Engineer (Remote)
Designed and implemented several critical features for an ERP & Project Portfolio Management System.

- Developed key modules such as Time Sheet, Employee, and Project for a project portfolio management system using ASP.NET Core and Angular.
- Built the Client module to enhance visibility and coordination of project progress across departments.
- Implemented CI/CD workflows with Jenkins and GitHub Actions, reducing deployment time by 30% and ensuring consistent release quality.
- Enhanced application security through role-based access control and JWT authentication to protect sensitive business data.

- Optimized PostgreSQL queries and refactored stored procedures to improve database efficiency and responsiveness.

Technologies Used: *C#, Typescript, .NET Core, Angular, PostgreSQL, Node.js, Kafka, GitHub Actions.*

INFORMATION NETWORK SECURITY ADMINISTRATION, Addis Ababa, Ethiopia ● 08/2014 – 07/2021
Government agency focused on network security and information systems management.

Senior Application Developer and Supervisor
Developed and supervised the creation of Utility Management and Registration Systems.
- Developed over 100 projects within the Meter Data Acquisition (MDA) solution, ensuring timely delivery and high-quality standards.
- Implemented the integration of third-party controls and external libraries to enhance system functionalities.
- Designed data management processes, including remote and manual meter readings, data import/export, and report generation.
- Integrated communication protocols like DLMS/COSEM and IEC to support diverse device interactions.
- Customized system parameters and administrative functionalities to meet specific business needs and improve system usability.
- Improved system efficiency and accuracy through robust data handling and integration processes.

Technologies Used: *C#, ASP.NET, WCF, Winform, UDP socket programming, C++.*

METALS AND ENGINEERING CORPORATION, Addis Ababa, Ethiopia ● 07/2012 – 07/2014
Corporation specializing in engineering and manufacturing services.

Software Engineer
- Developed a UAV Ground Control Station with modules for flight planning, monitoring, and data analysis.
- Ensured stable communication with UAV hardware using UDP and custom protocol handlers.
- Tested and optimized system workflows to improve reliability and operational safety.

Technologies Used: *DotNET WinForms, UDP socket programming.*

ACADEMIC PROJECTS

Maharishi International University (2025)
- **Timesheet Management System:** Developed a web-based platform for managing employee timesheets, project tasks, and client billing. Built RESTful APIs with Java and MySQL, created the frontend with React, implemented authentication and approval workflows, and deployed the system on Azure using Docker and Kubernetes.

Linnaeus University (2024)
- **Image based oak species classification using deep learning approach:** Developed an automated oak species classification system using deep learning and computer vision. Designed and trained CNN models with TensorFlow/Keras, applied data augmentation and hyperparameter tuning, and built a GUI for image testing and result visualization.

- **Independent Project Visualization and Data Analytics for Geo-Transaction:** Conducted data collection, cleaning, and exploratory analysis on geo-transaction datasets to extract business insights. Applied basic machine learning techniques and built interactive Dash/Plotly dashboards to visualize key metrics, regional trends, and transactional patterns.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 12/2027)
Maharishi International University, Fairfield, Iowa

Key Courses: Software engineering, Algorithms, Web application programming, Modern web application Programming

Master's in Software Technology
Linnaeus University, Vaxjo, Sweden (06/2024)

Master's in Software Engineering
Adama Science and Technology University, Adama, Ethiopia (07/2017)

Bachelor's in Information Technology
Mekelle University-Mekelle Institute technology, Mekelle, Ethiopia (07/2012)