

Yonas Alem

Software Engineer



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PROFILE

Software Engineer with 5+ years of experience developing robust platforms for the Payment and gaming industries, Proven ability to deliver quality code Individually or in Collaboration with a team of any size, AWS Certified Cloud Practitioner, Skilled in DevOps practices, Committed to continuous learning and staying up-to-date with industry trends.

PROFESSIONAL EXPERIENCE

Senior Software Engineer, Mereb Technologies Apr 2021 – Present • Developed a reusable Poker Game Outcome Probability testing Script for the game, and also cross-checked with the official Documentation in Wikipedia.

- Collaborated with the team to optimize the cost and speed of the Poker game, which increased the speed by 30% and decreased the cost by 35%.
- Created a mobile automation script to test functionalities, enhancing the overall reliability and efficiency of the application.
- Implemented an automated cold storage Script that seamlessly integrated with the existing infrastructure, reducing the risk of data loss and improving overall system reliability.
- Improved user experience by adding intuitive UI components to the Dashboard and seamlessly integrating them with the backend API
- Developed and tested robust RPC APIs, ensuring the reliable and efficient functioning of communication within the system

Full Stack Developer, affiliate.com (Remote) Feb 2023 - Aug 2023

- Designed and implemented user interfaces using React and Tailwind.css. • Migrated a legacy API from PHP, leveraging TRPC for enhanced performance. • I have developed scripts to store and generate reports, utilizing Google Cloud Storage for secure storage.
- Implemented a robust functionality to automate the delivery of download links for reports, streamlining the process and reducing the manual effort of downloading and sharing by 50%.
- Conducted thorough testing to ensure data integrity between the new and legacy reports.

Frontend Developer, Eaglelion Systems Technology Feb 2019– Apr 2021 • Converted Adobe XD designs to HTML and set up a React and Next.js project. • Developed React

components and integrated frontend with backend APIs and third-party payment APIs like Visa, MasterCard, Telebirr, and also Local Banks like Commercial Bank of Ethiopia.

- Tested and improved website performance from 45% to 97% overall score.
- Wrote test case documents and documented passing units.
- Able to Develop applications with a Team with 100k+ downloads and 3 Billion Birr (54 Million USD) in Transactions since launched in February 2023.
- Able to write, and test Mobile and Web Applications with 400+ registered hotels and 10K+ Google Play downloads.

FullStack Developer, Ethiopian Orthodox Church ICT Center Jan 2019 – June 2019 • Exported assets from Figma and set up a React project.

- Converted Figma design to React components and integrated the user interface with the backend.
- Performed performance optimization for an e-learning website by cutting unnecessary resources(CSS and Javascript) and query optimization which leads to 25% efficiency when tested by GTMatrix.
- Undergo tests for web applications using Cypress and add fixes.

Backend Developer, EthERNET · Internship Feb 2018 - Jul 2019 • Wrote Acceptance Test Documents and Design flows on the implementation of Registration systems.

- Developed Restful APIs for Volunteer Summer Teachers and Students, as well as Donation Websites.

SKILLS

Programming Languages: HTML, CSS, JavaScript, Python, Node.js, PHP, Bash Scripting

Web Development Frameworks and Libraries: React.js, Angular, Redux, ContextAPI, Material-UI, TailwindCss

Mobile Application Development: React Native

Databases: MySQL, MongoDB

Cloud Platforms: AWS (Amazon Web Services), Google Cloud

Containerization and Deployment: Docker, CI/CD Pipelines

API and Communication Protocols: gRPC, RestAPI

Software Development Life Cycle: Familiarity with the Software Development Life Cycle (SDLC) processes and methodologies

Tools: Git, Linux, Postman, BloomRPC, Figma, AdobeXD

PROJECTS

- Real gaming Poker(under Development) - Online Poker game with different types including Texas Holdem, Omaha, and five-card Draw - Senior Software Engineer

Duration: 18 Months

Technologies Used: React, PHP, gRPC, AWS, Python, bash Scripting

- Wrote Testing Scripts
- Researched and optimized Database queries
- Developed Cold storage Script to backup Data to Aws S3
- Designed and Implemented Admin Pages and integrate to the Backend API ●

- [Nedaj](#) - Fuel Purchasing Application, Frontend Developer

Duration: 6 Months

Technologies Used: React, React Native, Python, AWS, Redux, Axios

- Designed and Implemented Mobile Application UI and Management Dashboard - Integrated each UI component with Backend API using Axios and managed data using Redux.
- Merged changes from the team and Deployed the website to AWS

- [Getrooms](#) - Online Hotel Booking Application - Frontend Developer

Duration: 6 Months

Technologies Used: React, React Native, Python, AWS, Redux, Axios

- Create Custom Dashboard React Components and Integrate With Backend API, Handle Data using Redux.
- Integrate to Third-party Payment APIs like Local Bank APIs, and Also Visa and Master Card
- Create test cases and scenarios and mentor interns to test and point out issues.
- Deploy Nginx and CI/CD pipelines.
- Give Training to Hotel Owners and Customers.

- [GetFee](#) - Payment API - Fullstack Developer

Duration: 6 Months

Technologies Used: React, Python, AWS, Redux, Axios

- Develop a Dashboard for Different Customers Like Merchants, Agents, Banks, Districts, and Branches using React and Integrate Commercial Bank of Ethiopia Api and Backend APIs
- Write Customer Documentation and record videos to showcase how the systems should be Used.
- Leads Junior Developers and interns and assign tasks to them as well as review and merge codes.

- [EthioDirect](#) - Online Remittance Platform, Frontend Developer

Duration: 3 Months

Technologies Used: React Native, Node.js, AWS, Redux-thunk, Axios, AdobeXD

- Contribute to Design and Develop User Interface
- Integrate User Interface to Backend, Payment APIS
- Write Documentation for Security Agencies to check the whole system.

EDUCATION

Bachelor's in Software Engineering, Addis Ababa University Sept 2013 - Dec 2018

Relevant Courses: Data Structure and Algorithms, Python, Java, C#, C, IT Security, Software Engineering, Database and Database Administration, Web Design and Development, Project Management, Big Data Analysis