

MIKIAS BERHANU

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OBJECTIVE

Software Engineer with 3.5+ years of experience as a Backend and Full Stack Developer, specializing in building scalable systems and applications. Highly motivated, quick learner, and a strong team player with leadership skills. Seeking a full-time position as a Software Engineer or Backend Developer to contribute to innovative projects.

EDUCATION

Master of Software Engineering, Northwestern Polytechnical University 2021 - 2024

Relevant Coursework: Machine Learning, Secure coding in C and C++, IoT and Embedded Systems

Bachelor of Computer Science, Eastern Liaoning University 2017 - 2021

SKILLS

Technical Skills	Python, Javascript, C&C++, React Js, NodeJs, MySQL, MongoDB
DevOps+	AWS, Docker, CI/CD, Tensorflow Flask, FastAPI, MERN stack
Development Frameworks	TDD, Microservices, Onion Architecture, MVC
Additional	Active Directory Administration, Linux Server Administration, Office, Networking

EXPERIENCE

Software Engineer & Infra Manager Jan 2021 - Present

Applus+ Laboratories *Shanghai, China*

- Led development of a project tracking tool, improving efficiency by 75% by reducing communication time from 3-4 days to 1-3 hour per project. Used FastAPI, ReactJs, MongoDB
- Developed an interoperability testing product that automated VISA specification validation, reducing manual validation from 3-6 days to just 30 minutes, improving delivery time by 90%. FastAPI and ElectronJS.
- Reduced storage costs and server load by 40% through Docker containerization, consolidating services and eliminating the need for multiple VMs.

Lead Backend Developer Sep 2019 - Feb 2020

Eastern Liaoning University *Liaoning, China*

- Conceptualized and developed an e-student platform for international students, improving digital access to admission documents, transcripts, and semester registration.
- Led a team of 6 developers to build the backend using PHP, MySQL, and jQuery, streamlining the student-teacher interaction process.
- Enhanced platform efficiency, simplifying access to academic records and administrative tasks, significantly improving student-teacher engagement.

PROJECTS

DorkitAll. GHDB alternative with advanced search using Next.js, Python, and MongoDB in a microservices architecture. Implemented CI/CD pipelines and TDD, with a decoupled UI, backend, and database. ([Try it here](#))

Fintrack. Lightweight mobile app for effortless finance tracking, including savings, debts, and income, with an intuitive user interface. Built using React Native, Node.js, and MongoDB. ([Try it here](#))

LEADERSHIP

- Infrastructure Manager – Applus+ Laboratories IT Lab Led lab security efforts, ensuring adherence to ISO 27001 standards. Developed automation scripts to secure services, manage backups, and address vulnerabilities.

- Lead Software Developer – Applus+ Laboratories Led development and deployment of internal tools, collaborating with the HQ team in Spain and led a small team of two developers.
- Lead Backend Engineer – Eastern Liaoning University Coordinated and led the backend development for the e-student platform, improving digital interaction for international students with 6 other developers.