

Yohans Hailu Kasaw

 yohanshailukasaw@gmail.com  www.linkedin.com/in/yohans-hailu/  <https://github.com/yohans-kasaw>

Energetic Software Engineer with 4+ years of experience designing and implementing dynamic web applications. Elite problem solver ranked in the top 2.5% on LeetCode, adept at tackling complex challenges. Proficient in cloud technologies and DevOps, with expertise in web development using React.js and Vue.js. Skilled in API development, microservices architecture and CI/CD pipelines.

Education

Addis Ababa University | Computer Engineering

Graduation date: 06/2021

- 🏆 GPA: 3.79, Top 4% of class.

A2SV | Competitive Programming

10/2021 - 09/2022

- Combined mastery of data structures and algorithms (trees, graphs, Dijkstra's) with proficiency in Python, Go, and C++ to engineer robust and high-performance software solutions.
- Achieved Top 2.5% LeetCode and Codeforces ratings by solving 1,000+ algorithmic challenges and securing multiple A2SV competition titles, demonstrating exceptional problem-solving, teamwork, and dedication.

Experience

OwlBox AI | Software Engineer

04/2023 - Present | Boston, MA, USA

- Led the development of a scalable AI-driven video annotation platform using React, Next.js, Redux, and TypeScript, implementing server-side rendering and dynamic routing to deliver a highly responsive and maintainable frontend.
- Engineered a robust microservices backend with Flask and Node.js, integrated Celery for asynchronous task management, while managing CI/CD pipelines with GitHub Actions for seamless AWS deployments (Lambda, EC2, S3, RDS).
- Optimized database schemas to enhance data integrity and access speeds by 23.03%, designed resilient API gateways and secure RESTful APIs, and implemented auto-scaling strategies leveraging AWS services to ensure system scalability and reliability.

Africa to Silicon Valley | Head of Education and Software Engineer

06/2021 - 04/2023 | Palo Alto, CA, USA

- Led the frontend development of HakimHub using React, Next.js, Redux, TypeScript, Tailwind CSS, Styled Components that integrated social media feeds, real-time notifications, and video calling features, providing comprehensive health center information to the public.
- Directed the backend team for RateEat, architecting and scaling robust Node.js, Nest.js applications hosted on Google Cloud Platform (GCP) with MongoDB, Redis, Docker, and Kubernetes, implementing a microservices architecture that established one of Addis Ababa's first successful food delivery systems.
- Managed full-stack development for EzyPay, overseeing both frontend and backend teams using Next.js, React, Redux, Go with AWS services including EC2, S3, Lambda, RDS, and DynamoDB.

Eskalate | Software Engineer Intern

12/2020 - 07/2021 | Melo Park, CA, USA

- Designed and deployed RESTful APIs using Flask Python, SQLAlchemy, JWT, OAuth, PostgreSQL, MySQL, Docker, and Kubernetes, focusing on modularity and security enhancements.
- Enhanced application stability and frontend resilience by implementing robust QA frameworks using Selenium, Jest, Cypress, Postman, Mocha, Chai, and Continuous Integration/Continuous Deployment (CI/CD) tools like Jenkins and GitHub Actions, decreasing bug rates and elevating user satisfaction through dependable software quality.

Projects

- EzyPay** - Mobile payment solution tailored for Ethiopia, inspired by seamless and smooth payment experiences.
- RateEat** - Comprehensive food listing and delivery system application. The app offers a robust and feature-rich platform that simplifies the process of ordering food.

Skills

- Programming Languages: Python, Go, JavaScript, TypeScript, C/C++, Bash/Shell scripting, Scala
- Web Technologies: HTML5, CSS3, React, Next.js, Redux, Vite, Vue.js, Vuex, Nuxt.js, Svelte
- Backend Technologies: Node.js, Express.js, Django, Flask, FastApi, RESTful APIs, GraphQL, WebSockets
- Cloud Technologies and DevOps: AWS(Lambda, S3, ERS, EKS, EC2, ECS, API Gateways) ,Docker, GitHub Actions, Kubernetes, Jenkins, MySQL, PostgreSQL, MongoDB, Redis

Achievements

- Achieved Top 2.5% in global programming competition (LeetCode), demonstrating exceptional proficiency in Python and Go.