


Emran Kamil

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FULL-STACK DEVELOPER

Highly motivated Full Stack Developer with 3+ years of experience in the IT industry, seeking a challenging role at an innovative tech company where I can apply my expertise in optimizing algorithms and data structures for high-performance, clean, and efficient web applications. Awarded consistent promotions at each employer worked for, demonstrating a strong aptitude for learning and adapting to new technologies.

SKILLS

Programming Languages — Python, Go, Typescript **Frameworks / Libraries** — Django, NodeJs , .NET Core, Next Js **Technologies /Platforms** — Docker, Git, Linux/Unix **Databases** — MongoDB, PostgreSQL, MySQL

PROFESSIONAL EXPERIENCE

Backend Developer, A2SV

July - Sep 2024 | Addis Ababa, Ethiopia

- Designed and developed a back-end service, leading to a 30% increase in database **performance** and a 25% reduction in server response time, and Implemented user authentication and authorization
- Collaborated** with developers to create and maintain technical documentation, boosting **team efficiency** by 20%.
- Technologies Used:** Golang gin, MongoDB, JWT

Full Stack Developer, 4K-Labs

Sep 2023 - Present | Addis Ababa, Ethiopia

- Developed and maintained a web application using Next.js and Node.js, resulting in a 25% increase in performance and a 20% boost in user engagement within six months.
 - Implemented automated testing and debugging, reducing bugs by 40% and enhancing code quality by 30%.
 - Technologies Used:** Nextjs, Nestjs, PostgreSQL , JWT
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PROJECTS

Class Schedule Generator Backend

July - Aug 2023

- Designed and implemented a RESTful backend for class scheduling, utilizing advanced algorithms to generate conflict-free class and exam schedules with minimal input data.
- Optimized data storage and interactions with PostgreSQL, ensuring durability through ACID transactions and rigorous data validation, improving system reliability by 20%.
- Technologies Used:** Django, DRF, PostgreSQL, JWT


Optimized Full Stack Gallery Website for Shop Owners

Aug - Sep 2024

- Leveraged MongoDB indexing and search optimization strategies to convert an exact-match search into a more efficient approximate search, boosting user experience and search accuracy by around 40%.
 - Implemented containerization with Docker, ensuring consistent application deployment across different environments, reducing deployment errors by 20%.
 - Technologies Used:** Golang (Gin), Next.js, MongoDB, JWT, Docker.
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EDUCATION & CERTIFICATIONS

BSC in Electrical and Computer Engineering

Addis Ababa University (Among top 10 universities in Africa.) 

Sep 2021 - Jun 2026 | Addis Ababa, Ethiopia

Data Structure and Algorithms

Africa To Silicon Valley | A2SV - Backed by Google 

Nov 2023 – Present | Addis Ababa, Ethiopia

- A2SVian with a strong foundation in data structures and algorithms (Solved 800+ problems on LeetCode and Codeforces) and hands-on experience in backend development and system design.
 - A2SV placed 50+ students at top-tech companies such as Google, Bloomberg, Databricks, Amazon, LinkedIn, and Square in the last four years.
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LEADERSHIP & EXTRACURRICULAR

Python Programming mentorship, ODC Botswana

Aug 19 - 23, 2023 | Remote

Served as an online python programming mentor in the Orange Botswana training program, guiding and supporting a cohort of more than 400 programming enthusiasts.