Obed Osei Frimpong - Software Engineer [Backend-Go]

Software Engineer with five years of progressive professional experience in mostly Go products/projects and a successful track record in web development, integration, and service delivery. Advanced experience in globally distributed software development, solution design, and implementation of technical projects. I value team success more than mine. Passionately altruistic.

Domains: E-Commerce, Supply Chain, Blockchain(Solana), Web3
Programming Languages: Go, Java[Spring] + Hibernate, Javascript/Typescript
Databases: PostgreSQL, Redis, Mongo DB
Infrastructure/Tools: Amazon Web Services, Microsoft Azure, Rancher, Kubernetes, Jenkins, Docker, Git
Languages: English & Chinese (Intermediate)

Education

- Bachelor's in Engineering Computer Science 2017, South China University of Technology (China)

- Advanced Certificate in Software Engineering 2011, IPMC Institute of Technology (Ghana)

- Certified ScrumMaster (CSM) - Scrum Alliance

Professional Experience

08/2018 – present: Senior Software Engineer, Decathlon (Shanghai, China)
- Current lead engineer of a Decathlon global product. Architecting and developing a global product to manage over a thousand production molds, and physical assets. Saving Decathlon more than 5 million RMB annually.
- Migrated product infrastructure from docker on virtual machines to Kubernetes and implemented CI/CD pipelines to avoid previous manual deployment. This migration cut deployment time from 30 minutes to 10 minutes, increasing deployment frequency.
- Worked as part of a successful team to deliver a product that improves personalized interactions between Decathlon China and its 16 million active customers. Together with the team, we implemented a middleware in Go that sends SMS, emails, and WeChat messages to customers with 2000 transactions per second in the 99.9 percentile availability rate.
- Developed and designed a self-checkout solution that has improved stores' checkout experience. Cutting down the wait time of customers from 30 minutes to 2 minutes. Contributed to both Frontend development in Javascript and also backend development in Java.
- Led the internal software architecture community which has and continues to improve the standard of software design in Decathlon China.
- Technical lead of a shared module/service developed in Java for calculating net promoter scores and collecting user feedback. As the technical lead, I architected and implemented this solution with a focus on simplicity and fast integration time.
- Mentoring junior engineers to gain autonomy.

11/2021 - 08/2022: Freelance Backend Engineer, marcopolo.so (Shanghai)
- Developed and architected authentication service with Go for AMM and Escrow products with a throughput of 1000 requests per second during peak times.
- Contributed to the architecture design of the Escrow and AMM.
- Developed an AWS lambda function in Go to track daily liquidity and swap amounts on the AMM.
- Developed multiple Bots in Go to help facilitate engagement and customer feedback on Discord.

02/2018 – 06/2018: CTO/System Engineer, NUSIC (Shanghai & Shenzhen, China)
- Built the NUSIC blockchain using HyperLedger Fabric.
- Managed an engineering team of six developers.
- Actively helped with the recruitment of talents.

10/2017 - 02/2018: IT Team Lead/Project Manager, Preston Capital Holding Group (Shenzhen, China)
- Managed the IT department and ensured that my fellow workers' responsibilities were accomplished.
- Researched various technologies such as Augmented and Virtual Reality
- Led the building and maintenance of the company's website.

11/2011 – 05/2013: Software Engineering Instructor, IPMC (Accra, Ghana)
- Taught the foundations of computer programming with C/C++, Java, and Visual Basic.
- Taught Software development life cycle and project management.

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