

QURBAN ALI

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Skills

- PHP | Laravel | Python | Flask | Javascript | ReactJS | jQuery | NodeJS | Java | C# | MySQL | NoSQL | Linux | Redis | Bash | DevOps | Git
- AWS | Automation | CI/CD | Docker | Kubernetes | IaC(Terraform) | Selenium | Unit Testing | Serverless | C/C++ | Wordpress | Xcode Cloud
- Distributed Systems | Machine Learning | Bitcoin Lightning Network | English, Bengali, Hindi – *All professional proficiency or above*

Experience

Full-Stack Developer

Signings.io

02/2020 - Current

- Led a proficient team in crafting cloud-based applications using **PHP, Laravel, React, MySQL and MongoDB**. This collaborative endeavor culminated in a seamless product launch, effectively translating conceptual visions into a fully functional solution that met user needs.
- Planned and executed the cloud infrastructures, encompassing services such as **EC2, Lambda, RDS, S3, SNS, SES, and MongoDB Atlas**. Additionally, implemented load balancers along with auto scaling groups to establish a solid cloud deployment base for the system, capable of being scaled to millions of daily users.
- Pioneered the implementation of agile DevOps principles into the development workflow. Orchestrated the integration of continuous integration/deployment pipelines via platforms like **GitHub Actions and Xcode Cloud**, fully automating the development lifecycle. This proactive fostered seamless collaboration, swift updates, and nearly zero downtime.
- Introduced advanced testing methods, including **automated UI testing with Selenium**. Integrated testing seamlessly into the CI pipeline for efficient automation. This inclusive testing approach, covering **load/stress tests, unit/e2e testing** ensured a dependable application.
- Integrated CloudWatch for comprehensive monitoring, logging, and alerting through AWS SNS into a unified dashboard, significantly enhancing system oversight. This approach streamlined operations, improved troubleshooting, and minimize downtime.

Back-End Engineer, Contract

Blockalgo

01/2019 - 12/2019

- Developed the back-end system of the primary product on **NodeJS and Python** which contains a lightning network daemon (**LND**) that allows users to open off-chain payment channels to make small bitcoin transactions in a fast and cost-efficient manner.
- Designed the system and implemented the cloud architecture on **AWS**. Devised an efficient structure by distribution of the system using **serverless tools** and connecting them through **gRPC**. Which led to a 37% reduction in cloud expenses and enhanced fault tolerance.
- Code reviews, streamlined deployment with containerization, and seamlessly integrated third-party services like Square and Coinbase.
- Offered essential support, mentorship, adept troubleshooting, and diligent security patch management to diverse teams within the organization. Collaborated closely to ensure smooth integration, optimal performance, and skill development across projects like mobile streaming services and game development, significantly contributing to their success.

Front-End Developer

The Soft King

06/2017 - 11/2018

- Developed and designed front-end interfaces for Envato marketplace products, meeting strict review process requirements. Collaborated with UI/UX designers to create responsive web pages that delivered exceptional user experiences across devices.
- Contributed significantly to an in-house UI library, crafting reusable and modular components that improved development efficiency by reducing duplication and streamlining the creation of future products.

Education

Bachelor of Science

Bangladesh University of Business and Technology

06/2019 - 08/2023

- Major in Computer Science and Engineering

Projects

- **FinFetch**: Python-based tool that automates the extraction of financial documents from a public API. It transforms, formats, and uploads the data to the cloud. This streamlines the process of preparing financial data for training deep learning models. **(12/2021)**
- **SecureCSV**: Laravel package that offers encryption for specified columns within a database table. This package also simplifies the process of exporting the encrypted data to CSV format. **(03/2023)**
- **S3 Thumbnail Generator**: An AWS Lambda function operating in Python runtime capable of producing thumbnails for newly uploaded images or documents to S3. The generated thumbnails are then stored within the same S3 bucket. **(08/2023)**

Mentorship

- **Bangladesh University of Business & Technology** - Coding Bootcamp Mentor: Trained students in fundamental programming, OOP concepts and software design patterns while providing career guidance for their journey in software engineering. **(03/2022 - 07/2023)**

Others

- **Champion Award**: Won the 1st place at intra university programming contest **(09/2019)**