ALI MOHAMMAD HAMZA

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About Me

Software Engineer with over **5 years** experience of building products. I have first hand experience of transforming an idea to a successful product. Some of my built products & services are being used by **hundreds of thousands** of users per day. I have great passion for complex problem solving, **Unix**, **Backend** & **DevOps**. I also like to play with new technologies & electronics, like: Arduino and Raspberry PI. And in my free time I often explore the infosec world.

SKILLS

Programming Languages: Go, PHP, C/C++, JavaScript, TypeScript, Swift, Dart, Shell, SQL
Frameworks & Libraries: Laravel, Vue, React, Gin, Qt
Tools: Docker, Git, Gitlab, GitHub, Bash
Databases: SQLite, MySQL, Postgres, MongoDB
Other: Redis, Websocket, Rest API, Microservice, AWS, CI/CD, Heroku, DigitalOcean, JIRA, ClickUp, Agile

EXPERIENCES

SpareHub | Remote | Software Engineer | December 2021 - April 2022 (Shutdown)
- Developed API(s) for bidding and workshop services using Laravel
- Managed servers using Docker & others

Greentech Apps Foundation | Remote | Software Engineer | December 2016 - November 2021
- Built backend servers using Go, one of them handles **1M** requests daily
- Managed servers using EC2, LightSail, S3, Ubuntu-Server
- Developed multiple iOS apps from scratch, one of them has **150K** active users monthly.
- Created single view applications using Laravel & Vue, one of them has **5K** active users monthly.
- Mentored multiple junior developers
- Collaborated in a number of projects in multiple stacks
- Implemented CI/CD for multiple apps

PERSONAL PROJECTS

- **Custom blog**: A complete custom coded blog which ensures maximum performance during user interaction. Currently **4** blogs are running in production with average **50K+** page views per month, even though initially it was started as a hobby project.
  Technologies: Go (api, websocket & rest api), Laravel, Vue (frontend & ssr), Wordpress (CMS), MySQL, Docker
  Url: NDA

- **Kubernetes Cluster:** Created a Kubernetes cluster using **4** pieces of Raspberry Pi
  Technologies: K3s, Bash

- **Proxy Suite**: A desktop app, which works as a MITM, just like <u>Burp Suite</u>.
  Technologies: C++, Qt, Go (forked and edited <u>goproxy</u>), SQLite
  Url: <u>gitlab.com/hamza72x/bilai-suite-qt</u> (app), <u>gitlab.com/hamza72x/bilai-proxy</u> (proxy)

- **Blog to pdf**: A cli tool which turns a full blog into PDF with a variety of configurations. I personally use this tool to read a whole blog on Kindle Paperwhite in PDF version.
  Technologies: Go, Shell
  Url: <u>github.com/hamza72x/blog-to-pdf</u>

- **Zip split independent**: A cli tool which creates zip in split format without depending on one another
  Technology: Go
  Url: <u>github.com/hamza72x/zip-split-independent</u>

- **Blog in your email**: A tool which reads a list of blog's feed and sends new articles to the email
  Technologies: Go, SQLite
  Url: <u>github.com/hamza72x/blog-in-your-email</u>

Text Editors

Vim, NeoVim, VSCode, XCode, Sublime Text

Design

Figma, Zeplin

Operating Systems

macOS, Linux, Windows

Languages

English, Bengali

Education

Sylhet Engineering College, Tilagor
Bachelor of Science