Mustansir Zia

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SKILLS

BACKEND

| Go (golang)
- RESTful services with gorilla, fasthttp, gin, echo & chi.
- GraphQL services with gqlgen.
- Microservices with go-micro.

| Node.js
- RESTful services with Express.js, Hapi.js, Adonis.js Nest.js.
- GraphQL services with graphql-yoga. • TDD with Jest.

| Python
- RESTful services with Flask.

| Databases
- SQL - MySQL, PostgresSQL.
- NoSQL - ElasticSearch, MongoDB, RethinkDB, InfluxDB, Firebase, CouchDB, Neo4j.
- NewSQL - CockroachDB.
- KV - Redis, Aerospike, ETCD.

| Message Queues
- NATS, Kafka, ZeroMQ, NSQ.

| Real Time Communication
- WebSockets, gRPC, Deepstream, MQTT, Pushpin.

| Payloads
- JSON, Protocol Buffers.

| Other Technologies
- Make, NGINX, Consul, Swagger.
- ELK, Bugsnag & Sentry for logging and metrics. • CDC with Debezium.

FRONTEND

| React.js
- Reusable component level architecture.
- Hooks, Suspense, HOCs and Render Prop patterns.
- Context, Redux, Redux Saga, Redux Persist, Reselect, Immer, Mobx.
- SSR with Next.js. • React Query.
- css-in-js using styled-components.
- Storybook. • Eslint & Prettier.

| Vue.js
- Complex SPAs using Vue Router & Vuex.

MINDSET

"Premature optimization is the root of all evil, 97% of the time; Yet we should not pass opportunities in that critical 3%." - David Knut
I'm a polyglot programmer who solves problems through code. I can think logically in a variety of different languages and believe a good developer should never be restricted by platform or language. I hate stereotyping and respect other people's opinion in a workspace.

I can write scalable, flexible, concurrent, robust & distributed applications in JavaScript, Go, Kotlin, (and sometimes in) Java, Python & TypeScript.

WORK EXPERIENCE

HUBILO - TECHNICAL LEAD
June '21 - Present
I lead an engineering pod at Hubilo.
- At Hubilo, we want to be game changers in the industry of hybrid events.
- Here, I spend most of my time authoring and maintaining the Hubilo's distributed backend. We use TypeScript and JavaScript & there's a mix of NoSQL and SQL databases along with work queuing via Apache Kafka and Redis.
- I help align my team to enable high quality delivery. Me and my team are in love with scalable system design and code quality.

MUSALLEEN - ENGINEERING CONSULTANT (PART TIME)
Aug '21 - March '22
- I collaborated with the engineering team to solve their pain points. This role was a mix of things where I provided insights & advice on how to strengthen the overall engineering process & debugged hard to solve issues.

MUSALLEEN - SOFTWARE ENGINEER
November '18 - June '21
I had a full stack role at Musalleen.
- I've been an author & maintainer for web & mobile apps in React.js, Kotlin & Flutter.
- I've also been an author & architect for backend APIs in Flask & Kotlin which were deployed to Heroku & inside Docker containers orchestrated by AWS ECS.
- For CI & CD, I set up a Jenkins server on AWS. This helps to reduce feedback loop in all our products since testing and deployment is now automated.

KYOLAB - SOFTWARE ENGINEER
October '18 - November '18
This was my first experience with a Fintech startup.
- Here, I was responsible for creating a continuous integration & delivery pipeline for Android applications using a scalable version of Jenkins.

GRAPHICWEAVE - TECHNICAL LEAD
November '17 - March '18
- I lead the entire team of GraphicWeave for this period.

GRAPHICWEAVE - FULL STACK DEVELOPER
April '17 - September '18
- Here, I was responsible for designing & authoring distributed & highly available systems from the ground up. We wrote these in Node.js & Golang.
- I also contributed heavily & lead development of web & mobile apps using React.js, React Native and Kotlin.

| Other Technologies

- HTML5, CSS3, SCSS & Lua.
- Angular.js, jQuery, TailwindCSS, Browserify, Babel & lodash.
- Observable pattern using RxJS.
- Hygen, Rollup, Parcel & Webpack.

DEVOPS
| Docker

- Replicable & scalable deployments.
- AWS ECS. • docker-compose.

| Other Technologies

- Infra provisioning using Terraform.
- FaaS solutions on AWS Lambda.
- Jenkins & CircleCI.
- CDN based delivery via S3, CloudFront & Netlify.
- Rapid deployments of mobile apps using fastlane.
- Linux & server administration.

MOBILE TECHNOLOGIES
| React Native

- Live updates with CodePush.
- Expo, ExpoKit.
- Native modules over JS bridge.

| Flutter

- BLoC & Provider pattern.
- RxDart. • Native plugins using Method Channels.

| Native Android

- Using Java & Kotlin.
- RxJava, RxAndroid, Jetpack, Retrofit, Fresco & Gradle.
- Crashlytics & Mixpanel.

EXTRA GOODIES
| Version Control

- Using Git, GitHub & BitBucket.

| Collaboration

- Slack.
- Trello, Jira & Asana.

| Writing

- Markdown & LaTeX.

EDUCATION

UNIVERSITY OF KASHMIR
| Bachelors of Technology
Electronics & Communication Engineering. Score - 79%
October '11 - June '16

CERTIFICATIONS
Oracle Certified Java Professional 6.
Jan '16

MEEGO - TECHNICAL LEAD (PART TIME)
October '17 - March '18

- I was the lead developer who designed & engineered this project.
- During my 5 months tenure with Meego, I wrote all of its API in Node.js, almost all of its mobile apps in React Native & Kotlin. I also did DevOps.

GRAPHICWEAVE - BACKEND DEVELOPER
April '16 - March '17

- I was hired as a backend developer & worked alongside an experienced team on development of highly available systems in Golang.

PROJECTS

OPEN SOURCE
| react native fused location
I'm the author for this npm package. It is a react native module for fetching finest location on Android using the new Fused API.
This package has over 30K downloads on npm.

| Other Repositories
I've also authored several other open source repositories for Golang, Kotlin, Dart & JavaScript on GitHub. Visit my GitHub profile.

AT GRAPHICWEAVE
| Wazn
Wazn is a taxi hauling service for south east asia. The backend is powered by micro services written in GO, Kotlin & JS. Apps are written using react-native & Kotlin. I wrote GraphQL, gRPC APIs & contributed vastly to the apps. I also handled real time communication.

| NeDAS
nedasmy.com
NeDAS is an online exam system which helps to analyse a person's personality. A NoSQL database (RethinkDB) is used along with GO & React.js. Deployed inside docker containers which are orchestrated using Docker Swarm. I was the core contributor for this project.

| Employer
Play Store Link
Employer is a native android app written in Java which tracks employee hours for employers. Its backend is built with MySQL, Node.js & Socket.io.

AT MEEGO
| Meego
Meego is a helpline service that connects tourists and travelers to government registered tour guides that are nearby. It also offers points of interest service that connects users to popular nearby places.
I handled all of its API development, almost all of its app development & DevOps.
One of the apps is cross-platform & is written using React Native & Expo. The other a native app written in Kotlin. APIs were written in Hapi.js & MongoDB as the backend database. All of the backend & web apps were deployed inside containers with APIs being documented by Swagger.

COMMUNITY

BLOG
| mustansir.dev
I run a small blog at mustansir.dev where I write about technology and the things I work with.

STACKOVERFLOW
| Reputation - 889
I must overcome my laziness since this is something I want to improve.