HAMZA ZAFAR

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Skills

- JavaScript | Java | TypeScript | Node | Express | React | Next | Redux | Spring | PHP | Python | Git | C# | C++ | C | MongoDB | MySQL
- AWS | GCP | Cloud Computing | CI/CD | JUnit | Jest | Cucumber | Mockito | Unit Testing | Lambda | OOP | Redis | Docker | Kubernetes
- Microservices | Firebase | Heroku | React Native | MQ | Agile | Jira | TDD | Frontend | Backend | Full-Stack | English, French

Experience

Software Engineer **GAPP CO** *WV, USA, Remote* **06/2022 - Current**

- Leading the design and development of a SaaS product containing multiple microservice applications, driving more than $1 million of revenue every year using the latest technologies of **React, Next, Node, Typescript, AWS, Docker, and MySQL.**
- **Engineering lead** for design and implementation of scalable APIs for the SaaS product using Node**, Java, Lambda, Serverless**, and other AWS cloud technologies that serve thousands of requests daily.
- Revamped the entire architecture from **Monolithic to Microservices** to help the company build for the next thousand tenants. Improved the efficiency by 60% and made the product more scalable.
- Automated the mobile applications (iOS & Android) build process using **AWS Fargate, ECS, and SQS**. Reduced the app build time from 15 minutes to 7 minutes.
- Refactored the entire codebase to comply with the **GDPR** guidelines, potentially saving the company $2 million in taxes.
- Designed and implemented the Plugin architecture for the product, enabling it to connect with other apps using NodeJS and **gRPC**.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, A/B testing, unit/integration/e2e testing.

Software Engineer **UWorx** *Lahore, Pakistan* **06/2020 - 05/2022**

- Designed and implemented enterprise applications of the UK's largest retail platforms (Marks & Spencer, Waitrose, Woolworth), driving monthly revenue of $1 billion using **Java, Spring Boot, GCP, MSSQL**, and Angular.
- Migrated the entire UI for self-checkout solutions from NCR to Diebold Nixdorf, resulting in a 40% increase in efficiency.
- **Reported directly to CTO:** Lead for *automating* the whole API documentation process using the Redocly **OpenAPI**. Thus reducing the documentation time by 95%.
- Initiated monthly development chapter to empower developers to learn about new technologies and introduce smart coding methods.
- Collaborated as a member of the recruitment panel and engaged directly with the CEO. Increased the company's head count by 50%.
- Improved the automated testing coverage from 60 to 100 percent by adding cucumber, selenium, and unit tests.
- Reduced API fetching time in the POS application product selection screen from 6.0 to 0.1 seconds by re-writing complex SQL queries.

Software Developer, Contract **AcroDyna** *CA, USA, Remote* **01/2019 - 05/2020**

- Designed and implemented Licensing as a Service application using PHP, Bootstrap, MySQL, and Azure.
- Led the design and development of the Forex and crypto applications (MQL, MetaTrader).

Software Developer, Intern **KANNYTECH** *Faisalabad, Pakistan* **06/2018 - 08/2018**

- Developed multiple forex and crypto applications using MQL, MetaTrader, and Git.

Education

Bachelor of Science **FAST-NUCES** *Faisalabad, Pakistan* **06/2016 - 06/2020**

- Major in Computer Science
- GPA: 3.85/4.0

Projects

- **ScanFee:** Engineered an online printing service web application for a startup company (ReactJS, NodeJS, MongoDB, Heroku) **(06/2022)**
- **Keos:** Designed and developed a SaaS product for a startup (ReactJS, NodeJS, MongoDB, GCP) **(07/2022)**
- **RGB Place:** Developed a crypto-related web application (ReactJS, Heroku, Git) **(03/2022)**
- **Visual Assistant:** An open-source project based on ML algorithms to help blind people understand their surroundings. **(06/2020)**
- **MT4 License Server:** Designed and developed a LaaS application that is being used to handle thousands of clients. **(04/2020)**

Others

- **ACM Speaker:** Delivered several seminars held by ACM as the keynote speaker. **(11/2021)**
- **Advisory member FCAP**: Programming | Data Structure and Algorithms | Career Advice | Mentor to SWE students. **(07/2020)**
- **Silver Award**: Awarded upon securing the second position among the entire graduating batch. **(06/2020)**
- **1st Prize**: Won Speed Programming competition held by ACM. **(08/2017)**