

Hamza Zeb

Executive Software Engineer

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🏠 Lahore, Pakistan

Work Experience

EXECUTIVE SOFTWARE ENGINEER | May 2023 – Present

[Aerodyne Group](#) - Drone Tech, Data Tech & Digital Transformation

- Played a key role in successfully launching a **Drones SAAS product** from the ground up.
- Developed a secure **Authentication/Authorization System** within **NestJS**.
- Contributed to multiple **microservices** of the SAAS product, including digital twin functionality and 2D Annotation module.
- Managed User Accounts and Permissions effectively for seamless access control.
- Conducted thorough **Unit Testing** using **Jest** within the **Nest JS**.

SOFTWARE ENGINEER | Oct 2021 – May 2023

[TechnoGenics SMC](#) PVT LTD (**StrikeReady**)

- Contributed significantly to **Cyber Security SAAS Product** (**StrikeReady**).
- Implemented **Authentication System** using **SAML, JWT, OKTA, and SSO** with **NodeJS & AngularJS**.
- Implemented Automated **Workflows feature** using **Python (Flask)** for task optimization.
- Managed Accounts in **NodeJS (ExpressJS)**.
- Developed multiple **microservices** in NodeJS and Python (Flask).
- Proficient in **Kafka** and **RabbitMQ** message brokers.
- Worked on **Jinja2 Templating Engine** in Flask.
- Worked with **PostgreSQL** and **MongoDB** databases.
- Experienced with **Docker, Kubernetes, and OCI** for efficient deployment

BACKEND DEVELOPER | Sep 2020 – Aug 2021

[AIBERS](#) PVT LTD (Smart Healthcare Platform)

- Developed a **Telehealth SAAS Product** with **NodeJS (ExpressJS)**.
- Implemented **Authentication System** using **JWT** and **Firebase SSO**, ensuring data privacy and seamless user access.
- Deployed and integrated **Jitsi** for **Telehealth video conferencing**, to facilitate seamless **doctor-patient interactions**.
- Managed **AWS resources**, including **AWS EC2 instances** and **S3 buckets**.
- Utilized **third-party APIs** (Zoom, Jitsi, Google).

SOFTWARE DEVELOPER | Feb 2017 – Aug 2020

FREELANCE PROJECTS

- Image Processing in **NodeJS** using **ImageMagick, Sharp** and **JIMP**
- Users tracking in **NodeJS & PostgreSQL**
- Web Scrapping in **NodeJS** using **JSDOM**

Education

Computer Systems Engineering

UET PESHAWAR, KP, PAKISTAN

Majors: Software Engineering

Skills & Competencies

NODE JS

NEST JS

EXPRESS JS

JEST (testing framework)

Python (Flask)

SAML, JWT, SSO

PostgreSQL, MongoDB, MySQL

RabbitMQ, Kafka

Redis

Dockers

Kubernetes, AWS, OCI, Nginx, Apache

JS, Bootstrap, HTML5, CSS3

Templating engines (Handlebars, Jinja2)

Flutter + Firebase

React JS & Angular JS (Intermediate)

Laravel Framework (Intermediate)

Awards

High Performance

Aerodyne GSD PK Award 2023

Rising Star of The Year 2021

TechnoGenics SMC PVT LTD - LHR

Certifications

BIG DATA Analytics | Nov 2019

KP Youth Employment Program

Diploma in Information Technology | 2015 - 2016

ICL Abbottabad, KP, Pakistan

MOS (PowerPoint + Word) | Dec 2018

Microsoft