

Mehreen Kanwal

Principal Software Engineer

About Me

To pursue a career in a dynamic and progressive environment with an international organization, offering prospects of growth, career advancement and opportunities to utilize my skills to develop its personnel capabilities with increased performance to achieve the company's profitability

Contact

- +92-324-5013536
- mehreen.bplit@gmail.com
- Islamabad, Pakistan

Certifications

- Udemy / AWS (In progress)
- Zigron / Employee Of Quarter
- Fraudlens / Certificate Of Appreciation

Skills

Node (Express):

- JWT, OAuth, Sockets, Redis, RabbitMQ
- RESTful APIs and GraphQL (Apollo Client).
- Mongoose, Sequelize and Prisma.
- Mocha/chai and Enzyme/jest
- Integration of new relic with service for monitoring and swagger.

React And Next:

- Hooks, Redux, Zustand, Cypress
- Material UI, Tailwind CSS, Kendo, ChartJS, D3, JQuery
- SSG and SSR

AWS:

- Lambda, S3, SES, EC2, Amplify, DynamoDB

AI:

- OpenAI using GPT-3.5, 4 and LangChain

Databases:

Store Procedures and Functions in MySQL, SQL, POSTGRESS, MariaDB, MONGODB

Additionally:

- Elastic Search and logstash
- Docker, Git, Bitbucket, Confluence and Jira
- Trunk-based development for CI/CD.

Education

- BSCS (Bachelor's in Computer Science)
Bahria University 2013 - 2017
- FSC
Bahria College 2010 - 2012
- Matriculation
APS Rawalpindi 2010

Experience

- Consultant**
EVAMP & SAANGA **June 2022 - Jan 2024**
Outsourced to Singaporean company i-e **CIRCLES**. Worked in **microservice architecture** for 3 services i-e Billing, Rewards and Payments. Providing TELCO services to **KDDI** - Japanese client which has over one million customers.
 - API optimization, security, test cases and new feature development are the core areas.
 - Moved git flow to Trunk-based flow.
 - Support 5G launch.
 - Improved sending bill process to 3X.
 - Introduced upload single and bulk pdf mechanism to S3 AWS.
 - Bring in a Refund process efficient for 10k invoices.
 - POC are documented using confluence. RMG is created for release items.
 - Incident recovery is done with new relic and opsgenie
- Senior Software Engineer/ Technical Team Lead**
ZIGRON **June 2017 - May 2022**
working on a healthcare project focused on fraud detection in the fields of dentistry and medicine.
 - The detection module provides an overview of fraudulent activities using data visualization tools like Chart.js and Kendo, and generates comprehensive reports through TCPDF.
 - A patient relationship feature captures patient sharing between providers, visualized with a force-directed network graph using D3, accompanied by an overview video.
 - The provider relationship management system oversees interactions with providers involved in fraudulent activities, with a dedicated mailbox to facilitate communication between providers and administrators. Additionally, CRON jobs are implemented to automate tasks related to managing fraud cases
- Internee**
CARE **Feb 2017 - June 2017**
Developed modules in MVC .NET for Enterprise Resource Planning of spare parts – Pak Army Project.
- Internee**
BPLIT **During Degree [Mar 2015 – June 2015]**
Maintenance tasks are done in Livestock Project. Developed flows for Housing society Wapda MVC .NET

Professional Projects

• BILLING

Framework: Node

Overview:

Deals with sending bills and managing customer status accordingly. Collect batch payment. Synchronize bills. Do Refunds. Maintain all transaction logs.

• REWARDS

Framework: Node

Overview:

Customers are rewarded according to rules set by the product team. Different promotions are raised which have different rewards. Benefits are associated with rewards according to rules. Promo Codes are used for claiming rewards.

• PAYMENTS

Framework: Golang

Overview:

KDDI is using third party service GMO for payment. All services are using payment service for payments and refunds.

• PRMS and Fraudlens

Framework: Codeigniter, React, Node

Overview:

Working in the Health care Project of Fraud Detection in the field of Dentistry and Medicine. Analytics is performed on claim data. Detection side is responsible for detecting the overall picture of fraud and generating reports. Patient Relationship depicts the sharing of patients between providers by force directed network graph and progression. Provider relationship management system is responsible for dealing with providers committing fraud and communication. Real time is performed according to the requirements of the company.

• ERP (Pak Army)

Framework: .Net (MVC, Entity framework)

Overview:

System for Resource Planning. For check and balance of spare parts requirement and maintenance