




Shagun Rai

 (+91) 7839113557

 shagun12072001@gmail.com

 linkedin.com/in/shagun-rai-8516a0172/

Summary

I am a Software developer having experience in building scalable applications, RESTful APIs, and integrating third-party services. Seeking a suitable role to leverage my skills in a dynamic team environment. I have worked both as an individual contributor and as a team player.

Skills

- **Programming Skills:** JavaScript, NodeJs, Express JS, Typescript, HTML5, CSS, SQL.
- **Testing Framework:** Jest, Mocha, Chai.
- **Databases:** MongoDB, DynamoDb, MySql.
- **Development Tools & Methodologies:** Agile, Atlassian (Bitbucket, Jira, Confluence, Github, Git, Jenkins), Visual Studio Code, Postman.
- **Cloud & DevOps:** AWS (DynamoDB, EC2, S3, SQS)

Experience

3Pillar Global Pvt. Ltd.

Location - Noida

Jun 2021 – Present

Project Name - Xenio Healthcare

Software Engineer

Nov 2023 – Present

- Xenio Health is cloud-based SaaS solution that helps healthcare organizations streamline patient intake process by allowing staff members to send pre-arrival documentation online to patients.
- Designed and implemented multi-tenant architecture, ensuring seamless delivery to providers.
- Implemented Eligibility APIs to fetch and validate insurance related data of a patient.
- Used **puppeteer**, **html-pdf** libraries of npm to create pdfs and sent to the client EMR.
- Used **AWS services** like **cloudwatch** for monitoring and logging, significantly improving operational efficiency and system reliability.
- Developed a robust message handling system to ensure messages were processed efficiently, implementing visibility timeouts and **dead-letter queues** to manage failed message processing.
- Implement JWT token authentication process for the API calls.
- Adopted the **async/await** syntax for handling asynchronous code, improving readability and making it easier to write sequential asynchronous operations without nesting.
- Implemented data validation and sanitization using libraries such as Joi or express-validator to ensure incoming request data is accurate and secure.
- Deployed the application on Amazon EC2 instances, enabling scalable server configurations that could be adjusted based on traffic and processing needs.

Project Name - AppDynamics

Software Engineer

Dec 2022 – Nov 2023

- An application monitoring system to enable teams, business to have in-depth understanding of the impact of technical issues on business objectives.
- Implemented Rest APIs, messaging queue using NodeJs, Kafka, Typescript.
- Improved unit test cases using jest upto 94%
- Worked on integration tests for existing solutions.
- Used FSOC to interact with the platform's different environments (development, test, production) and switch between them.
- Developed and integrated custom middleware to handle authentication, logging using Splunk, and error handling, enhancing the modularity and maintainability of the application using **Express JS**.

- Used **NoSQL** Database Solution for its scalability and performance, enabling rapid reads and writes, essential for handling large volumes of data with low latency.

Project Name - Engage

Software Engineer

Jan 2022 – Dec 2022

- ENGAGE is the one-stop solution for 3Pillar engineering practices performed across all Accounts and Engagements. Provides integrated platform for 3Pillar Accounts, Engagements, Products, Teams and performs Product Health Index check.
- Worked in Back-end Team, designing and building services APIs and writing migration scripts as functions in postgres which then executed for database calls and migration scripts to update or insert data in database.
- Worked on building a module to automate timesheets for 3Pillar employee which results to improve about 80% work of payroll operations.
- Managed high traffic (2k-3k users) by implementing caching, optimizing queries and async jobs for background tasks.
- Created several api endpoints using **NodeJs** and established centralized error handling mechanisms in Express.js to catch and manage errors effectively, ensuring consistent error responses for API consumers.
- Debugged end to end flow of APIs by writing integration testcases and later unit testcases using **chai** and **mocha** for every individual functionality and service.

Project Name - UpscriptHealth

Software Engineer

June 2021 – Jan 2022

- Its a US based healthcare platform allowing patients to consult doctors via calls, receive prescriptions and purchase the medicines through the website with medicine catalog, cart management and payment processing.
- Worked in Back-end Team, with UpScript-SFRW team to rewrite the existing functionalities into supporting the new microservice architecture.
- Application is required to be communicating with different microservices in different repositories to fetch data from different areas to be rendered.
- Created features to enhance the user experience while ensuring that the web design is optimized for smartphone.
- Debugged the APIs with swagger to complete dev testing and troubleshoot for bug fixes.
- Developed and maintained relational databases using MySQL, optimizing queries for performance and ensuring data integrity across multiple applications and implemented stored procedures to streamline data retrieval processes, reducing query response times by up to 30% .

Education

GLA University

Btech. Computer Science (8.21)

St. John's school

12th (87%)

St. John's school

10th (90%)

Mathura, UttarPradesh

2018-2022

Ghazipur, UttarPradesh

2017

Ghazipur, UttarPradesh

2015