Muhammed Shaheer

Software Developer

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Dynamic and detail-oriented experienced Software Developer specializing in backend development (ERP & CRM) using Node.js. Proven track record in designing, implementing, and maintaining robust backend systems, ensuring high performance and scalability. Adept at developing efficient automated testing frameworks to enhance software quality and streamline development processes. Possesses strong problem-solving skills, a collaborative mindset, and a commitment to delivering high-quality solutions in fast-paced environments.

Skills

- **Programming languages** :- Python, JavaScript, TypeScript, SQL
- **Frameworks & Libraries** :- Node.js, Express.js, Django, Vue.js, React.js, Next.js, Redux, RESTful APIs
- **Automation & Testing :-** Python Selenium, Python Robot Framework, Python Locust, BlazeMeter, Selenium WebDriver
- **Backend Technologies :-** AWS (Lambda, S3, Cloud watch, SES, Dynamodb), Socket.io, RabbitMQ, Redis, Miscroservice
- **Databases :-** PostgreSQL, MongoDB
- **Frontend Technologies :-** HTML, CSS, SCSS , Tailwind CSS
- **Development Tools :-** Jira, Git, Npm, Yarn, pip, Docker
- **Methodologies :-** Agile, BDD, TDD, Scrum, Kanban

Experience

Fullstack Developer   *Oct 2024- present*
Parameta Technologies - Dubai, UAE

- Developed and maintained a gym trainer-client management web application using Next.js and Node.js for seamless interaction between coaches and clients.
- Designed and implemented MongoDB schemas and queries to manage user data, workout plans, and progress tracking efficiently.
- Integrated AWS services for secure data storage, user authentication, and scalable infrastructure.
- Collaborated with Flutter developers to synchronize web and mobile app functionalities, ensuring consistent user experiences across platforms.
- Implemented RESTful APIs to enable seamless communication between the web and mobile applications.

Software Developer Executive   *Jun 2024- Oct 2024*
Marhaba Investments - Dubai, UAE

- Developed and maintained a Customer Relationship Management (CRM) system using Python and Django for backend development.
- Implemented dynamic and responsive user interfaces using Vue.js, Bootstrap for frontend development, ensuring a seamless user experience.
- Designed and managed databases with PostgreSQL to support robust data storage and retrieval.
- Utilized Docker for containerization, streamlining development workflows and ensuring consistency across development and production environments.

nucore software solutions - Calicut, India   *Jul 2022- Jun 2024*

Software Developer (Back-end))   *Jan 2024- Jun 2024*

- Led backend development using Node.js with Express, promoted to Lead Backend Developer within 3 months. Orchestrated a team, ensuring adherence to coding standards and project timelines.
- Designed and optimized data storage solutions with PostgreSQL, and Used Redis for caching, enhancing application performance.
- Architected and implemented a scalable microservice architecture, enabling modular development and independent service deployment.
- Implemented Single Sign-On (SSO) authentication for improved user security across multiple applications.
- Utilized RabbitMQ as a message broker for reliable asynchronous communication between microservices.
- Integrated Socket.io for real-time bidirectional communication, enabling seamless data transfer and live updates.
- Managed APIs with Swagger, ensuring clear documentation and facilitating integration for frontend and external developers.

Quality Assurance (Automation)   *feb 2023- Jan 2024*

- Led quality assurance automation efforts using Python Selenium and Robot Framework for UI testing in a travel agency's back-office solution and report management project.
- Automated over 3000+ scenarios based on Behavior-Driven Development (BDD) and Data-Driven Testing (DDT) methodologies, ensuring comprehensive test coverage and reliability.
- Orchestrated load testing using Python Locust, simulating over 100,000+ invoices within 48 hours across three different scenarios to evaluate system capacity and performance.
- Served as team lead, coordinating testing efforts, defining strategies, and ensuring high standards of software quality throughout the project lifecycle.

Quality Assurance Trainee (Automation)   *Jul 2022- Jan 2023*

- Developed automated test scripts to validate functionality, ensuring adherence to specifications and identifying defects early in the development cycle.
- Utilized bug tracking systems to report and manage software issues, collaborating closely with developers to resolve defects promptly.
- Assisted in maintaining high-quality standards through rigorous testing methodologies and procedures.
- Actively participated in training sessions and workshops to enhance skills in automation testing, BDD, and DDT methodologies.
- Contributed effectively within a team environment, supporting senior QA engineers and gaining practical insights into software testing best practices.

Certification

Python Full Stack Development - Internship   *Dec 2021- Apr 2022*
Athena Erudition Kochi, Kerala, India

During This period, i have completed 2 academic projects. Worked a part of frontend and backend development. Created an EC2 Instance and hosted a project on AWS.

Education

BCA (Bachelor of Computer Application)   *2018 - 2021*
University of Calicut

Projects

- **nuCEM (Customer Email Management Project).**

  Contributed to a CRM project focused on managing customer emails, converting them into actionable requests assigned to responding consultants, and implementing various functionalities as per customer requirements.
  Technologies :- Angular.js, Node.js, PostgeSQL, AWS
- Role :- Backend Developer

- **XiaFit**

  Contributed to a web and mobile application designed to connect gym trainers with their clients. The project enables trainers to manage workout plans, track client progress, and communicate effectively through a web app, while clients access their plans and updates via a mobile app. Implemented core features such as user authentication, dynamic workout schedules, and seamless data synchronization between web and mobile platforms.
  Technologies :- Next.js, Node.js, MongoDB, AWS
- Role :- Full-Stack Developer

- **EcoSolutions**

  Contributed to a comprehensive CRM platform designed for real estate agents to manage client relationships efficiently. The system allows agents to onboard clients, upload and manage documents (including KYC), and track deal progress. Clients can log in to view their documents, monitor deal progress, and access details about ROI and payouts. The platform also includes a financial module for setting payout schedules, tracking upcoming payouts, and managing pending amounts, ensuring streamlined operations for agents and clients.
  Technologies :- Vue.js, Python Django, PostgreSQL
- Role :- Full-Stack Developer

Other Skills

- Cross-functional Team Collaboration
- Technical Documentation
- Performance Optimization