QALANDAR SAYED

SOFTWARE DEVELOPER

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PROFESSIONAL SUMMARY

Results-driven Software Developer with **5+ years of experience** in backend development, system architecture, and performance optimization. Proficient in **Node.js, TypeScript, MySQL, AWS**, and modern web frameworks. Proven ability to enhance system efficiency, reduce operational costs, and lead cross-functional teams in Agile environments. Adept at designing scalable solutions for logistics, healthcare, and e-commerce industries.

EXPERIENCE

SOFTWARE DEVELOPER | CREATIVE CAPSULE | MAY 2022-AUGUST 2024

- **Developed and enhanced features** in line with sprint tickets, ensuring timely and efficient delivery while maintaining high-quality standards.
- **Optimized key functionalities** by significantly improving the performance of critical endpoints, reducing response time from 10-12 seconds to under 4 seconds. This not only enhanced user experience but also decreased the usage of external endpoints, leading to reduced costs for the client.
- **Led ticket estimations and implementation planning**, creating detailed flow graphs and presenting these to cross-functional teams, including Project Leads, Team Leads, QA, and Database teams. Successfully addressed queries and incorporated suggestions to ensure smooth project execution.
- **Created and maintained AWS Lambda functions** for serverless architecture, including a complex job that involved fetching and processing large volumes of data from an external API. Utilized concurrent calls and processing with the async package, reducing overall latency by five times compared to the original setup.
- **Developed Python scripts** to automate various processes, thereby reducing manual effort and increasing operational efficiency.
- **Reviewed code for peers** and managed **sprint deployments** across multiple environments, including Development, QA, QA Automation, and Staging, ensuring smooth release cycles.
- **Utilized a range of technologies**, including TypeScript, NestJS, Node.js, MySQL with TypeORM, and Python, to deliver scalable and maintainable solutions.

SENIOR BACKEND DEVELOPER | COPPERCODES | OCTOBER 2021-MAY 2022

- **Architected software solutions** to ensure smooth integration and scalability, aligning with business goals and technical requirements.
- **Integrated SonarQube into the development process**, enhancing code quality and security. This initiative reduced total development time by 20% due to early detection of bugs and vulnerabilities.
- **Developed a comprehensive admin panel** for a B2B client using React, Material UI, Node.js, and MySQL. This solution provided enhanced sales insights and facilitated critical business operations, leading to improved decision-making.
- **Designed a business model** for an in-house project, which contributed to streamlined revenue generation and improved overall business efficiency.

BACKEND DEVELOPER | COPPERCODES | OCTOBER 2019-OCTOBER 2021

- **Developed API endpoints** using the MVC architecture for various e-commerce products, ensuring robust and scalable back-end functionality.
- **Set up and deployed server-side projects** on DigitalOcean, utilizing WinSCP for secure file transfer and management, ensuring smooth deployment and reliable server performance.
- **Created APIs for a healthcare start-up** using a microservices architecture, incorporating Jenkins for continuous integration and continuous deployment (CI/CD), Firestore for real-time data transfer, and Firebase functions for serverless computing, enhancing system reliability and scalability.
- **Led the revamp of multiple products**, restructuring their architecture and functionality. This overhaul resulted in a twofold increase in sales and significantly improved customer reviews, reflecting better user satisfaction and product performance.

KEY PROJECTS

LOGISTICS AND DISTRIBUTION SYSTEM | ROLE: BACK-END DEVELOPER

Overview: Was responsible for developing and managing the Core Service which mainly included creating deliveries, estimating delivery cost, updating delivery status at each location.
Key Responsibilities:
- Collaborated with cross-functional teams to gather and analyze requirements, designing optimal solutions aligned with business objectives and technical feasibility.
- Provided regular progress updates and proactively addressed client concerns, ensuring seamless communication throughout the development lifecycle.
- Designed, developed, and optimized RESTful API endpoints to facilitate seamless data management and integration with various business processes.
- Implemented unit test cases to enhance code quality, reliability, and maintainability.
- Developed core features such as mailing and notification systems, improving user engagement and operational efficiency.
- Managed the deployment of services across QA and staging environments, ensuring smooth rollouts and minimizing deployment-related issues.
Technology-Stack: Node.js, NestJS, TypeScript, Python, MySQL, AWS

HEALTHCARE MANAGEMENT SYSTEM | ROLE: BACK-END DEVELOPER

Overview: Developed a comprehensive system to manage hospital operations, including room assignments, paging of doctors and nurses, and managing patient information.
Key Responsibilities:
- Collaborated with clients to gather detailed requirements and designed the project architecture to efficiently manage hospital operations and patient data.
- Developed API endpoints for the admin's web application and the user's mobile application, ensuring seamless integration across platforms.
- Enhanced chat functionality by implementing Firestore functions for real-time communication between patients, doctors, and nurses.
- Created Jenkins jobs and automation scripts to establish a robust CI/CD pipeline, ensuring smooth and continuous deployments.
- Integrated SonarQube into the development process, improving code quality and reducing security vulnerabilities.
Utilized JMeter for load testing, identifying bottlenecks, and optimizing system performance for scalable operations.
Technology-Stack: DigitalOcean/ AWS, Firestore, MySQL, Node JS, React JS, React Native

RESTAURANT MANAGEMENT SYSTEM | ROLE: BACK-END DEVELOPER

Overview: Developed a comprehensive system to manage restaurant operations, including user interactions, restaurant management, and delivery logistics, with advanced features like contactless dining and remote reservations.

Key Responsibilities:

- Collaborated with clients to gather requirements and designed the project architecture and database schema, ensuring a scalable and efficient solution.
- Developed API endpoints for all key roles (user, restaurant, and rider), facilitating smooth communication and operations across the system.
- Integrated third-party APIs, including the Google Distance Matrix API for calculating travel distances and times, and a Geofencing API to dynamically display restaurants within a user's proximity.
- Implemented innovative features such as contactless dining and remote reservation capabilities, enhancing user convenience and safety during dining experiences.
- **Technology Stack**: DigitalOcean, MySQL, Node.js, React.js, React Native

PERSONAL PROJECTS

NETFLIX CLONE | MAY 2021

- Project made in React JS with functional components that displays thumbnails of movies, based on categories. The Project website plays trailers of the movies when clicked.

PLANT RECOGNITION USING DEEP LEARNING AND AUGMENTED REALITY | JUNE 2018-JUNE 2019

- An Android application which would identify name of the plant by capturing the image of a leaf.
- It would also give an augmented view of the plant in order to do a detailed study of the plant.

EDUCATION

BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGY | JUNE 2015 – JUNE 2019 | PADRE CONCEICAO COLLEGE OF ENGINEERING

SCIENCE | JUNE 2013 – JUNE 2015 | MURGAON EDUCATION SOCIETY'S HIGHER SECONDARY COLLEGE

CORE COMPETENCIES

- Node JS
- Express JS
- NestJS
- MySQL
- Postgres
- HTML | CSS

- JavaScript
- TypeScript
- Firebase
- AWS
- Jenkins
- Version Control (GitHub | Bitbucket)

ORGANIZATIONS

ROTARACT CLUB OF VASCO DA GAMA| NOVEMBER 2019 – PRESENT

- **Public Relations Officer (2020-2021)**: Managed the club's public image, communications, and media relations.
- **Vice President (2021-2022)**: Assisted in club leadership, strategic planning, and project execution.
- **President (2023-2024)**: Led the club, overseeing all operations, projects, and initiatives, while representing the club at the district and international levels.
- Awarded Best Rotaractor Male in District 3170 for the year 2022-2023, recognizing contributions and leadership within the district.
- Awarded Best Project Coordinator for organizing Rajsuya, a multi-district International Service Conference, showcasing exceptional project management and coordination skills.

STUDENTS' UNIT OF INFORMATION TECHNOLOGY| NOVEMBER 2018 – JULY 2019 | TREASURER

- Organized technical seminars, talks, workshops and industrial visits for the students.

GOOGLE DEVELOPERS GROUP - GOA| JANUARY 2017 – PRESENT | MEMBER

- Was a part of the organizing committee for successful conduct of the event *Devfest* 2019.
- Delivered an introductory session on 'Cybersecurity' in Shree Rayeshwar Institute of Engineering and Information Technology.

ACTIVITIES AND INTERESTS

Cricket, Chess, Theatre Arts, Travelling, Trekking, Reading.