Vatsal Zinzuvadiya

Ahmedabad, India

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TECHNICAL SKILLS

- **Languages: Node.js, Golang, JavaScript, TypeScript, Shell scripting, SQL (Postgres), MongoDB**

- **Frameworks: Next.js, React.js, Express Js**

- **DevOps & API Tools: Git, GitLab, Bitbucket, CI/CD, Docker, Postman, AWS Cloud Services, Serverless**

- **Other: Agile (Scrum/Kanban), SOLID Principles, Design Patterns, API Design, Redis, Kafka, Microservices, Serverless Applications, Automation Tools**

EXPERIENCE

Software Engineer | X-Byte Enterprise Solutions
October 2022 – Present

- **Automation & Optimization: Automated manual processes using no-code tools (Make) and implemented hard-coded solutions to enhance efficiency, reducing manual effort by 30%.**

- **Backend Development: Built microservices for SEO metrics and image recognition using AWS Rekognition, integrating data storage in CloudWatch for performance monitoring.**

- **Serverless Infrastructure: Leveraged AWS Lambda and DynamoDB for serverless application deployment, optimizing cloud infrastructure, and reducing operational costs by 65%.**

- **API Development: Designed and maintained RESTful APIs for seamless communication between microservices, integrating AWS services for robust functionality.**

- **Docker Integration: Streamlined deployment processes by containerizing applications with Docker, ensuring smooth CI/CD pipeline integration.**

- **Built a serverless microservice with AWS Rekognition to detect and restrict inappropriate content uploads.**

- **Created monitoring services to track API performance, errors, and latency, leveraging AWS CloudWatch and visualizing metrics.**

Software Developer | Cognisun
March 2023 – September 2023

- **Microservice Architecture: Developed scalable user management microservices, leveraging SQL for efficient data handling in a large-scale government project.**

- **React & Backend Migration:** Spearheaded the transition of Backbone.js apps to React.js, enhancing performance while maintaining full functionality.

- **Queue Management:** Integrated Redis and Bull Queue to optimize background tasks and monitor queue performance, significantly reducing processing times.

- **API Development:** Created REST APIs and optimized them for high-traffic environments, improving backend responsiveness and scalability.

PROJECTS

Dating App | Node.js, AWS, DynamoDB, Firebase, OpenSearch

- Developed a scalable dating app, integrating AWS Cognito for user authentication and S3 for media storage.

- Implemented real-time messaging with Firebase Push Notifications and advanced search functionality with OpenSearch.

- Managed caching and queueing with Redis and Bull Queue, and deployed the app using AWS Amplify

Toll Tax System | Golang, gRPC, Kafka, Docker

- Built a system to calculate vehicle travel distance using coordinates shared by OBU sensors, simulating real-time toll tracking.

- Utilized Kafka to handle asynchronous microservice communication, ensuring real-time data streaming and processing.

- Implemented HTTP and gRPC transport for the service, ensuring smooth inter-service communication.

EDUCATION

Government Engineering College, Modasa
NAAC A++
Bachelor of Engineering (BE) in Computer Engineering | GPA: 7.2
August 2019 – August 2022

ADDITIONAL INFORMATION

- **Languages:** Fluent in English

- **Work Authorization:** Open to relocation to Germany with relocation support