Leander Paul
Software Engineer

Diligent software engineer with over 4 years of experience in designing and developing scalable and maintainable software solutions. Passionate about learning new technologies and solving complex problems. Collaborated with cross-functional teams to define, design, and ship new features. Previous accomplishments include migrating data from one database to another more than 5 times while ensuring data integrity and consistency in real time, reducing the load of the server by 60% and improving the scalability of the application by 25%.

Relevant Experience

Backend NodeJS Developer @ WTV
March 2023 — September 2023

- Designed and architected the microservices that make up the application
- Configured RabbitMQ for inter communicaton between microservices to promote scalability and maintainability
- Played a significant role in designing MongoDB database schema based on the queries to ensure scalability
- Played a key role in designing, developing, and maintaining the APIs that power the application
- Enhanced the usability of the APIs by utilizing Swagger to create comprehensive documentation
- Ensured the reliability and functionality of the APIs by employing Jest, a testing framework, to write unit and integration tests for microservices
- Collaborated with the frontend team to ensure that the APIs were designed and implemented in a way that aligned with the user interface's needs
- Dockerized the application with small build image for faster and reliable deployment
- Setup stripe payment handling system for subscription and verified the payments using webhooks

Member Technical Staff @ Zoho
January 2020 — August 2022

- Maintained the application that played a critical role in the organization by overseeing Authentication and Authorization for other services
- Created and maintained essential APIs vital for different service teams within the organization, addressing specific requirements and enabling seamless interaction between systems
- Managed the application's caching strategy, optimizing performance by reducing data redundancy and enhancing response times by 10 percent
- Introduced SAML authentication within the application to bolster security and access control, safeguarding sensitive resources and data
- Migrated data from one database to another more then 5 times while ensuring data integrity and consistency in real time
- Demonstrated a keen eye for detail by identifying and rectifying the bugs present in the application
- Created hierarchy based role management system to facilitate authorization similar to linux file system permissions
- Identified and resolved slow queries in the application therby increasing the response time of certaim queries by 20 percent
- Reduced redis cache CPU usage by 60 percent and improved the reliability of the caching system

Full Stack Web Developer @ Phosphene AI
April 2018 — January 2020

- Architected and developed REST APIs for the web application using express.js following the best practices
- Desgined the database schema for MongoDB to insure optimal read/write performance
- Implemented authentication and authorization system using Google OAuth 2.0
- Designed the front-end application using react and used redux for state management
- Implemented auto scalling mechanism in the application logic for image upscaling application
- Deployed the application in AWS EC2, ensuring the security and scalability of the application
- Programmed AWS Lambda function to create thumbnails on upload to S3 bucket

Contact

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Skills

Technical Languages
JavaScript, TypeScript, HTML, CSS, Sass, Java, Rust

Libraries & Frameworks
Express, NestJS, Mongoose, Fastify, GraphQL, React, Angular, Vue, NextJs, Tailwind

Tools & Platforms
Git, Github, MongoDB, MySQL, Docker, Vercel, AWS

Hard skills
Agile Methodology, Database design, Design Patterns, CI/CD, Testing, Security, APIs

Soft skills
Leadership, Teamwork, Communication, Problem Solving, Critical thinking, Time Management, Adaptablity

Education

Masters in Computer Science
Queen Mary University of London
September 2022 to September 2023
Grade: Distinction

Bachelors in Information Technology
Anna University
June 2018 to April 2020
Grade: First Class