

Lokesh Veerappan

Senior Software Engineer

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Summary

Technical lead with 7 years of experience as an adaptable back-end developer and a strong track record in creating efficient, scalable and distributed web applications. Proficient in Javascript, NodeJS and Cloud computing, with a deep understanding of RESTful APIs and microservices architecture. Experienced in optimizing database queries, designing efficient data models and enhancing application performance. Skilled in implementing secure authentication and authorization mechanisms, ensuring data integrity and protection.

Skills

Industry Knowledge:

Systems Design

Data Structures & Algorithms

Design Patterns

SDLC

Agile Development

Primary Tech Stack:

Javascript / Typescript

NodeJS

NextJS

MySQL / Postgres

MongoDB

Docker

AWS

Soft Skills:

Problem Solving

Critical Thinking

Team Leadership

Good Communication

Work Experience

AUGUST 2021 - PRESENT

Technical Lead, Prism Cloud Consulting, Toronto, CA (Remote)

- Handling DevOps and maintaining continuous delivery of software solutions.
- Leading the backend and DevOps team, developing distributed backend systems.
- Providing architectural and design direction on 4 different products.
- Controlling technical debt and ensuring standards of deliverables within the team.
- Reduced software delivery time by 50% by building hybrid applications served by microservices.

AUGUST 2020 - JULY 2021

Backend Developer, Prism Cloud Consulting, Toronto, CA (Remote)

- Building REST APIs for the backend on 3 different products.
- Implemented microservices architecture that increased the performance of the applications drastically and provided a better developer experience.

- Automated infrastructure and deployment as code to improve continuous delivery of software updates.
- Helped build a test driven development culture in the team to reduce bugs and maintenance.
- Optimized database performance by refactoring data models based on domains and improving query performance in a distributed system.

FEBRUARY 2020 - JULY 2020

Full Stack Developer, Thilash Services, Chennai, IN

- Built a custom full stack content management system for the content team to deliver content more effectively.
- Built a custom full stack customer relations management solution that helped the company provide better customer support.
- Developed an application to automate the company's primary workflow and business logic that drastically improved the efficiency of the IT enabled services department.

November 2017 - JANUARY 2020

Web Developer, Dyno Digital Partner, Chennai, IN

- Designed and built more than 50 statically served websites with perfect lighthouse scores.
- Built scalable web applications with emphasis on reusability and extensibility.
- Built custom browser extensions to enhance the workflow of IT enabled services.
- Built backend REST APIs on several different projects.

November 2017 - JANUARY 2020

Web Developer, Freelancing

Projects

CareChart - Backend

CareChart is a virtual program that connects patients, families and caregivers with an experienced healthcare provider in real time.

- Built a backend service for integrating third party health APIs.
- Developed a video calling module for the WebApp using Quickblox.
- Developed the architecture to send scheduled notifications to users.

Tech Stack Used:

TypeScript | NodeJS | ExpressJS | AWS Cognito | AWS Lambda | AWS ECS | MongoDB | Quickblox

MyBayshoreCare - Backend

MyBayshoreCare makes managing your home health care plan easy. It's a secure and free online solution that helps you and your loved ones stay connected and up to date.

- Built backend APIs for user onboarding and account management.
- Developed a notification microservice with Twilio and SES.
- Migrated backend logic to a multi-tenanted and event-driven architecture using AWS EventBridge and API Gateway.

Tech Stack Used:

TypeScript | NodeJS | ExpressJS | AWS Cognito | AWS EC2 | AWS Eventbridge | MongoDB | Twilio

[Kappitaan](#) - Backend

Kappitaan is a platform that helps empower students and healthcare professionals by making it easier to train and get placement for work abroad.

- Built a customized Job portal using Zoho CRM and Zoho Recruit platforms.
- Integrated Zoho CRM and Zoho Recruit APIs into micro-services.
- Built an e-learning platform using Moodle.

Tech Stack Used:

TypeScript | NodeJS | ExpressJS | Zoho CMS | Zoho Recruit | Moodle | AWS Cognito | AWS Lambda | NextJs

[Ourliquorstore](#) - Fullstack

OurLiquorStore is an alcohol marketplace that partners with the best retail stores in North America to serve up the best buying experience, offering a huge selection and competitive pricing.

- Built a scalable and data driven e-Commerce Website that dynamically transforms based on the selected seller.
- Built the retailers' dashboard application to manage inventory, billing, deliveries and other business logic.
- Migrated backend architecture to a serverless model.

Tech Stack Used:

TypeScript | NodeJS | ExpressJs | ReactJS | React Native | Laravel | AWS EC2 | MySQL

[Sockpub](#) - Fullstack

SockPub is a Content Management System custom built for delivering blogs and other content with niche features unavailable with traditional CMS options.

- Built an image storage and modification micro-service.
- Designed and developed backend logic for managing users, blog posts, comments and other content.
- Developed the core backend APIs for content management.
- Built a user authentication microservice with access levels.

Tech Stack Used:

Javascript | NodeJS | ExpressJS | GraphQL | FireBase | FireStore | OAuth 2.0 | AWS EC2 | AWS S3