

Sathish Krishnan

MERN Stack Developer



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Bangalore



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<https://github.com/sathishkrishnan20>

KEY SKILLS

- ★ Javascript, Node.JS, Typescript
- ★ Express.js, Nest.js, GraphQL
- ★ PostgreSQL, MySQL, MongoDB
- ★ React.js, React Native, Next JS
- ★ Microservices, Kafka
- ★ AWS, GIT, Docker
- ★ Jenkins, CircleCI, GitHub Actions
- ★ Kibana, Instana, Splunk

AWARDS

- ❖ Core value champion – Focus on Talent - Q2-2017
- ❖ Unsung Hero award - Q4-2019
- ❖ Toughest Cookie - 2021
- ❖ Most Valuable Player - 2022

Education

B.E. - Computer Science

Roever Engineering College,
Perambalur, Tamil Nadu

SUMMARY

Experienced Senior Software Engineer with a proven track record in designing and implementing scalable, high-performance backend systems. My expertise spans full-stack development, focusing on backend systems, database management, and API development.

KEY STRENGTHS

1. Experienced in designing and developing web applications using MER(A)N stack technologies, including Node.js, MongoDB, Express.js, Nest.js React.js.
2. Extensive experience in designing and implementing scalable backend APIs and integrating third-party services.
3. Proven success in optimizing database performance and designing efficient database schemas.
4. Experience in deploying applications on Cloud platforms like AWS and VPS/VM
5. Experience with Continuous Integration and deployment tools Like Jenkins, CircleCI, and GitHub actions

PROFESSIONAL EXPERIENCE

Senior Software Developer at Yara International, Bangalore - Jan 2021 - Present

Tech Stack: *Node.Js, Nest.JS, JavaScript, Typescript, PostgreSQL, React.JS, React Native, CircleCI, GitHub Actions, Docker, AWS, EKS, ECS, S3*

Yara Loyalty Program [Sep 2024 to Mar 2025] - Designed and implemented a scalable Loyalty Program system to manage customer engagement campaigns, including rule-based points allocation, milestones, and rewards. The system supports complex rule evaluations, automated points expiry, and detailed audit logging.

Roles and Responsibilities

- ❖ Designed the architecture and database for campaign creation, rule engine evaluation, and points management.
- ❖ Created LLDs for points and expiry strategies, Campaign and Rule Creation, Rule execution APIs, Points Redemption, and Reversal APIs
- ❖ Developed APIs for end-to-end campaign creation.
- ❖ Conduct code reviews to ensure code quality and adherence to coding standards.

Yara Connect & Admin Panel [Jan 2021 to Present]– The Mobile app is a retailer-focused project that offers a loyalty program for retailers selling Yara products. The program provides exclusive rewards and benefits to retailers, fostering increased sales and building stronger partnerships. The web platform empowers the admin to efficiently manage reward points, product offerings, and retailer engagement.

Roles and Responsibilities

- ❖ Designed the architecture and database for campaign creation, rule engine evaluation, and points management.
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- ❖ Developed APIs for end-to-end campaign creation.
- ❖ Conduct code reviews to ensure code quality and adherence to coding standards.

Software Developer at Quantiphi Analytics, Bangalore - May 2019 to Jan 2021

Tech Stack: *Node.js, JavaScript, Typescript, DynamoDB*

RTCC [May 2019 – Jan 2020] - Real-time Cart Conversion is a Real-time cart analysis for e-commerce, boosting sales and reducing cart abandonment by predicting cart abandoners and providing personalized offers to users.

VI BOT [Jan 2020 – Jan 2021] An innovative conversational BOT enabling users to recharge their accounts through conversational calls. Additionally, the bot shares personalized offers and incentives to enhance user engagement and satisfaction

Roles and Responsibilities

- ❖ *Design, develop, and maintain server-side logic using Node.js, and database schemas that are maintainable and scalable*
- ❖ *Develop and execute unit tests and integration tests*

Associate at Symphony Talent & Harman Connected Services, Bangalore - Nov 2016 – May 2019

Tech Stack: *Node.js, JavaScript, MySQL, Serverless, AWS Lambda, Serverless. Mocha, Chai, Jest*

M-Cloud [Nov 2016 – May 2019] - an advanced project designed manage job ad campaigns on multiple job boards. It optimizes media budgets automatically based on campaign performance, saving valuable time for recruiters' job postings.

Roles and Responsibilities

- ❖ *Design, develop, and maintain server-side logic using Node.js and integrate third party APIs*
- ❖ *Develop the backend AWS Lambda functions using serverless frameworks*
- ❖ *Write unit tests and integration tests using Mocha, chai, and Jest frameworks*

PROJECTS

QCards - Digital Assessment Platform - Feb 2024 to Mar 2025 - **Fullstack Developer (Freelance)**

Tech Stack: *React Native, React.js, Next.js, Node.js, PostgreSQL, SQLite, GraphQL, AWS Lambda, SNS, SQS, S3, GitHub Actions, Firebase, Jest, Supertest*

- ❖ Built a mobile app for teachers to scan QCards assigned to students and record MCQ responses instantly, even in offline environments.
- ❖ Developed a responsive web-based admin portal to create and upload schools, classes, and assessments. and built the real-time class and subject-wise performance reports.

DigiGold - Digital Gold Investment Platform - Mar 2025 to Aug 2025 - **Architect & Developer (End-to-End)**

Tech Stack: *React Native, Node.js, PostgreSQL, AWS Lambda, SNS, S3, GitHub Actions, Firebase, Expo, Jest, Supertest.*

Arch Details: <https://www.sathishkrishnan.tech/digigold.html>

- ❖ Built a mobile app for Users to Opt the DigiGold Scheme and buy Gold Transactions via the Gold/Silver Scheme
- ❖ Developed a responsive web-based admin portal to manage the Gold Rate and Scheme Details.

PERSONAL PROJECTS

Expense Manager [Jan 2024] is a user-friendly application accessible on the web, designed for Mobile screens. It helps individuals or businesses track, categorize, and manage their financial expenditures.

Tech Stack: *Node.js, React.js, Google Sheets for Storage*

Web: <https://expensemanager.sathishkrishnan.tech>

GitHub: <https://github.com/sathishkrishnan20/csk-expense-manager>

Vzykart [Feb 2023 to Jul 2023] - is a user-friendly e-commerce application accessible on Android, IOS, and the web, it is tailored for village users with regional language support. It offers a simple and convenient shopping experience, bringing a wide range of products right to their fingertips

Tech Stack: *Node.js, MongoDB, React, React Native, React Native Web, GitHub Actions, AWS EC2, S3*

Web: <https://vzykart.shop>

AVS – Ayya Vaikunda Swamy App [Jun 2016 to Feb 2017] - The AVS app promotes the Ayya Vaikundaswamy religion, spreading its teachings and values. It allows users to discover and add nearby temples.

Tech Stack: *PHP, MySQL, JAVA, Android -*

GitHub: <https://github.com/sathishkrishnan20/Meyyunarvom>