

Sri Ram Mohan Nyshadham

 Sriram-52 |  sriram-ny |  codebyram.dev |  nyshadhamramu@gmail.com |  470-929-0312

DEVELOPER NODE.JS/AWS

Node.js/AWS developer with 5+ years building cloud-native, microservices-based back-end APIs and platforms. Expert in AWS Lambda, API Gateway, S3, ECS, and PostgreSQL, complemented by Git, Python/Bash scripting, and CI/CD pipelines. Proven track record modernizing architectures, reducing costs by 50%, and accelerating deployment velocity through agile SDLC and best practices, aligning technology delivery with business needs.

WORK EXPERIENCE

Full Stack Developer (Node.js + AWS), Atelia Software Inc

June 2021 - Present

- Architected and maintained a suite of HIPAA-compliant microservices on AWS using Lambda, API Gateway, S3, CloudFront, SNS/SQS, ECS Fargate, and Secrets Manager, ensuring high availability and secure patient data flows, demonstrating advanced knowledge of SDLC processes and best practices.
- Developed scalable backend systems using Nest.js, TypeScript, and Prisma, implementing robust error handling, automated migrations, optimized PostgreSQL query paths for thousands of daily transactions, and comprehensive Unit Testing with Jest to ensure code quality and adherence to design patterns.
- Reduced infrastructure cost by **50%** by redesigning the backend into an event-driven, serverless-first architecture using Lambda, SQS fan-out patterns, containerized workloads on ECS, and on-demand compute, applying principles of Software Design and Mathematics for optimization.
- Implemented a custom RBAC/ABAC authorization framework using ZenStack, enforcing strict least-privilege access for all portals (patient, doctor, support, hospital, MSP), demonstrating an understanding of security principles.
- Automated deployments using GitHub Actions with reusable CI/CD pipelines for Lambda, ECS, CloudFront, and infrastructure provisioning; wrote Python and Bash scripts for environment provisioning, conducted code reviews to enforce standards, and improved deployment velocity and rollback reliability, utilizing Scripting and automation.
- Designed and built AI-powered healthcare automation, including patient-intake chatbots, scheduling flows, and voice agents using Twilio Streams, OpenAI, and serverless functions, leveraging effective communication and Problem Solving skills.
- Developed a RAG-based physician documentation engine using Pinecone, embeddings, and LangGraph orchestration; reduced documentation time and improved clinical workflow accuracy through advanced analytical capabilities.
- Migrated mobile applications to React Native and built shared modules with web apps, accelerating feature delivery by **40%** and enabling consistent UI/UX across platforms, demonstrating proficiency in programming languages like Java Script.
- Created a secure React Native iHealth BLE SDK for automated vitals collection with encrypted device pairing, offline sync, and seamless integration into care-coordination workflows, applying Software Development best practices.
- Implemented a high-performance Conversations service using Twilio Webhooks with cursor-based pagination and optimized indexing, increasing message retrieval efficiency by **60%**, resolving issues through effective troubleshooting.
- Built FindCare provider search and scheduling engine with slot generation, availability rules, geolocation search, appointment confirmation flows, and fully automated reminders, exercising judgment within defined procedures.
- Led and mentored an offshore development team, coordinating backend, frontend, and mobile deliverables using agile development methodologies best practices, sprint planning, and peer reviews to ensure predictable outcomes and high-quality releases, demonstrating effective communication.

Full Stack Developer, Eficens Systems LLC (Flair Technologies)

March 2020 - May 2021

- Engineered a full-scale CRM platform covering payroll, timesheets, placements, invoicing, clients, onboarding, and document workflows using React.js, Material UI, Redux, and Firebase, demonstrating proficiency in multiple programming languages and software systems.
- Built 40+ reusable React components and optimized rendering using memoization and selector-based state management, reducing UI load times by 30%, applying design patterns and best practices.
- Developed backend business logic using Node.js, Express, and Firebase Cloud Functions including payroll computations, consultant margins, vendor bill cycles, and automated tax/withholding calculations; performed Unit Testing and Debugging to maintain reliability and resolve issues.
- Implemented secure RBAC using Firebase Auth, Firestore rules, and scoped permissions for recruiters, finance teams, and executives, ensuring system security.
- Reduced production defects by resolving 150+ issues across payroll, invoice reconciliation, placement mismatches, form validations, and authentication flows, exercising judgment and troubleshooting expertise.
- Enhanced CI/CD pipelines using Firebase Hosting, GitHub Actions, and automated deployments to dev/stage/prod environments; integrated Python scripting for build orchestration and established branch-based code review workflows, supporting continuous integration.

PROJECTS

AI Voice and Chat Agents (Twilio + Node.js + AWS Lambda)

Designed custom AI-driven voice agents using Twilio Streams and AWS Lambda, enabling automated patient intake, appointment info retrieval, and scripted workflows with natural language responses, demonstrating proficiency in programming languages and API integration. Built a custom conversation pipeline using OpenAI and LangGraph, applying design patterns and software design principles.

React Native iHealth SDK

BLE-based vitals collection SDK enabling auto-pairing, encrypted sync, and streamlined physician workflows, applying Software Development best practices. Integrated with backend for secure vitals persistence, demonstrating knowledge of DB interactions.

EDUCATION

Kennesaw State University, Marietta, GA

Master of Science, Computer Science

SITE, Tadepalligudem, India

Bachelor of Technology, Computer Science

SKILLS

Programming Languages	TypeScript, JavaScript, Java, Python, SQL, Node.js
Frameworks & Libraries	Nest.js, Express.js, React, React Native, Next.js, Flask, Spring Boot, Redux, Angular
Cloud Services	AWS Lambda, API Gateway, Amazon S3, CloudFront, ECS Fargate, SNS, SQS, RDS, Secrets Manager, Google Cloud Functions, Firebase Hosting, Google Kubernetes Engine
DevOps & CI/CD	GitHub Actions, CI/CD, Docker, Serverless Deployments, Vercel, Git
Databases	PostgreSQL, Firebase Firestore, NoSQL, Relational DB Experience
Tools & Platforms	Twilio, iHealth SDK, Prisma, Orval, Monorepos, Bash, PowerShell