

NAGARJUN MALLESH

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OBJECTIVE

FullStack Software Engineer with 3+ years of experience building scalable applications, complemented by bachelor's and master's degrees in Computer Science and Information Systems. Passionate about AI, system optimization, and solving complex problems. Recognized for excellence and impactful contributions in every role

EXPERIENCE

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|--|--|--------------------------|
| July 2024 – Present | Backend Software Engineer, Oak Harbor | Keelworks Foundation, US |
| <ul style="list-style-type: none">• Structured user registration backend using NodeJS APIs with JWT authentication and Google Drive integration, reducing day-long manual processes to minutes.• Led development of RESTful APIs with MySQL and Redis caching, implementing load balancers for near-instant response times.• Implemented CI/CD workflows and API gateway solutions, ensuring reliable service during peak loads. | | |
| Oct 2019 – Jul 2022 | Software Engineer, Bangalore | Hewlett Packard Inc, IN |
| <ul style="list-style-type: none">• Developed BIOS configuration system using PowerShell and VBS scripting, transforming week-long processes into minutes.• Built management platform using React.js, NodeJS, and MongoDB with custom workload algorithms.• Architected cloud-based OS deployment pipeline using Azure/AWS and C#, reducing provisioning from days to hours.• Created documentation framework using SDLC principles, which improved team collaboration and enabled rapid global issue resolution. | | |
| Jul 2019 – Oct 2019 | Associate Software Engineer, Bangalore | Digital API Craft, IN |
| <ul style="list-style-type: none">• Simplified DNS management system with NodeJS and MongoDB, implementing caching for rapid response times.• Enhanced Kafka messaging system with Redis caching, enabling real-time data processing across microservices.• Modified scalable backend infrastructure supporting high-volume concurrent users with consistent performance.• Improved API quality by implementing gateway solutions, which ensured reliable service during peak loads. | | |

SKILLS

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|--------------------|------------|---------------------------|
| - ReactJS | - HTML/CSS | - JavaScript / TypeScript |
| - NodeJS | - NextJS | - Git |
| - AWS | - Docker | - NoSQL/SQL |
| - Pulumi/Terraform | - Kafka | - CI/CD Workflows |

EDUCATION

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|---|---------------------------------------|------|
| MS in Information Systems | Northeastern University | 2024 |
| BE in Information Science and Engineering | Visvesvaraya Technological University | 2019 |

NOTABLE PROJECTS

- Architected management system orchestrating data flow through Spring Boot and Hibernate ORM, delivering optimized performance via custom caching solutions.
- Engineered comprehensive audit framework utilizing Spring AOP for systematic tracking, securing data access through JWT authentication.
- Independently engineered cloud infrastructure with Pulumi IaC, implementing VPC architecture and auto-scaling while ensuring high availability through SSL and Route53.
- Constructed serverless backend using Node.js and MySQL, integrating AWS Lambda, SNS, and CloudWatch for comprehensive system monitoring.
- Established platform security implementing encryption protocols via Bcrypt and continuous monitoring through automated CI/CD pipelines.
- Created mobile application platform deploying Swift and SwiftUI architecture, integrating Firebase Authentication with CoreData for secure data management.