KARTHIK M

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PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years of experience in backend development, specializing in Golang, microservices, REST APIs, GraphQL, and cloud-native applications. Experienced in building backend services using Go, gRPC, MongoDB, and Docker, with deployment experience in Kubernetes and OpenShift environments. Strong background in enterprise application development, CI/CD automation, system optimization, and mentoring engineers.

TECHNICAL SKILLS

Programming: Golang, PHP, JavaScript
Backend: REST APIs, GraphQL, gRPC, gqlgen, Laravel
Databases: MongoDB, MySQL, MariaDB,PostgreSQL
DevOps & Infrastructure: Docker, Kubernetes, OpenShift/OKD, Jenkins, GitLab CI/CD, Nexus Repository
Cloud: Azure App Services , AWS
Frameworks & Platforms: Magento 2, Strapi, WordPress, Laravel, Keycloak
Tools: Git, GitLab, Bitbucket, Jira, Redmine, Visual Studio Code
Additional: Agile,Apache Solr, Elasticsearch, Firebase, jQuery, HTML, Bootstrap, Tailwind CSS, Software Design, Testing, Spec-Driven Development with AI

PROFESSIONAL EXPERIENCE

Senior Software Engineer Aug 2021 – Present
Seidor OpenTrends

- Led a Golang proof of concept for an Employee Attendance Management System using MongoDB and GraphQL.
- Developed a Go microservices application in a monorepo architecture, using gRPC for service communication, Docker for containerization, and Nexus Repository Cloud for artifact management.
- Designed and deployed CI/CD pipelines on Azure App Services.
- Configured Jenkins pipelines for automated testing, linting, and container image builds; deployed applications to an OKD (OpenShift) Kubernetes environment using Kubernetes manifests.
- Built custom Magento 2.4.3 functionality for Base.net, including custom content types, plugins, extensions, and GraphQL endpoints.
- Worked on Vinea headless PWA applications, including theme customization and Hyva.
- Upgraded legacy Magento installations to the latest stable version.
- Mentored three junior engineers, conducted code reviews, and improved pull-request workflows.

Founder & CTO Jan 2018 – Jul 2021
VerbalCodes Technologies

- Engineered modular REST APIs for e-commerce platforms, improving throughput by 25%.
- Developed a website content management system using WordPress.
- Redesigned database schemas and optimized queries for a CMS, reducing page-load time by 50%.
- Customized a web-based video conferencing application using BigBlueButton.
- Implemented GitLab CI/CD pipelines with Docker, reducing release cycles by 35%.
- Developed a custom Loan Application Management System with end-to-end workflow automation.

Software Engineer Intern Jun 2017 – Jan 2018
Netstager Technologies Pvt. Ltd.

- Prototyped a 3D product renderer using WebGL and Three.js.
- Developed APIs and backend systems for mobile and web platforms.

SELECTED PROJECTS

Employee Attendance Management System – Golang PoC
Developed a Golang proof of concept using MongoDB and GraphQL as part of an attendance management initiative. Related implementation work included gRPC service communication, Docker, and a monorepo structure.

E-commerce Platform – Magento 2.4.3
Customized an e-commerce platform with content types, plugins, extensions, GraphQL endpoints, headless PWA functionality, and theme customization.

Loan Application Management System
Developed a custom loan application management system with end-to-end workflow automation.

EDUCATION

Master of Computer Applications (MCA) 2018 – 2020
Marian College Kuttikkanam

Bachelor of Computer Applications (BCA) 2014 – 2017
College of Applied Science, IHRD

CERTIFICATIONS

- Adobe Certified Expert – Adobe Commerce Developer
- Apache Solr – Intellipaat
- API Academy – API Designer
- IBM Blockchain Essentials
- Deep Learning Fundamentals – Cognitive Class
- Google Mobile Sites Certification
- Additional Udemy certifications and LinkedIn Skill Assessment badges

ACHIEVEMENTS

- Employee of the Month – October 2021.
- Contributed to the first AR college magazine in India.