

NILESH PRASAD

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Professional Summary

Results-oriented Software Development Engineer with a proven track record of driving innovation and delivering high-quality solutions in dynamic environments. Skilled in modular code and extensible design, proficient in CI/CD practices, and experienced in mentoring junior developers. Demonstrated ability to collaborate effectively with cross-functional teams to deliver large-scale applications and reliable systems.

EDUCATION

Year	Degree / Exam	Institute	GPA/Marks (%)
2015-2019	B.E in Information Science & Engineering	R V College of Engineering, Bangalore	8.86/10
2012-2014	AISSCE, CBSE	Delhi Public School, Siliguri	92.20%
2002- 2012	HSLC, SEBA	St. Anthony's English Medium School, Gossaigaon	86.00%

WORK EXPERIENCE

Couchbase, Senior Software Engineer

(Aug,2024 - Present)

- Collaborated with a team of **SRE** subject matter experts to design and implement key internal and external features, including advanced Metrics, Alerts, and Dashboards, across control plane and data plane components using **Go**. Developed and maintained robust alerting and monitoring systems to enhance operational visibility and responsiveness
- Enhanced observability architecture with scalable and consistent monitoring solutions by integrating Thanos components to support large-scale, resilient observability.
- Partnered with cross-functional teams to optimize and streamline customer alert notifications, significantly improving customer experience and response times.

Epicor Software, Product Developer

(Jan,2024 - July,2024)

- Spearheaded customer-centric solutions within the **Kinetic** ERP platform, aligning with Manufacturing department needs across the entire product lifecycle, from quotation to sales.
- Innovatively designed and integrated features enabling the inclusion of Supplied Cost and Sales Kit parts, optimizing the efficiency of customer receipt process.
- Implemented automated deployment pipeline utilizing PowerShell scripting, reducing manual effort by **50%** and ensuring seamless delivery of the latest builds to production environment.

42Gears Mobility Systems Pvt Ltd, Senior Software Engineer

(April,2022 - Dec,2023)

- Developed Integrated API Testing framework for **SureMDM** using Xunit and TestNG, facilitating early identification of critical issues before staging, thereby reducing bugs by **50%**.
- Successfully upgraded the environment to Kubernetes Cluster, ensuring smooth transitions to the latest version, resulting in a notable **10%** increase in revenue due to enhanced application availability.
- Orchestrated seamless customer onboarding with the Customer Success Support Team, leading to a significant **15%** revenue growth.
- Spearheaded cross-functional collaboration initiatives between development teams and stakeholders, resulting in a **25%** increase in project efficiency and alignment with business objectives and timely execution of projects.
- Played a key role in driving innovation by continuously exploring and implementing cutting-edge technologies to enhance product offerings and improve efficiency.
- Led the design and implementation of scalable and secure RESTful APIs, adhering to industry best practices and standards for web service, resulting in **25%** improvement in API performance metrics..

42Gears Mobility Systems Pvt Ltd, Software Engineer

(April, 2020 - March,2022)

- Engineered a BigQuery system to efficiently transmit device data, significantly reducing data latency to generate **1 lakh** devices report.
- Implemented Kafka producer and consumer within micro-services architecture, enhancing server throughput and empowering customers to seamlessly manage and enroll devices, thereby increasing product adoption.
- Executed a seamless migration from MySQL to MongoDB, optimizing data retrieval and handling large data volumes.
- Developed an API endpoint facilitating device enrollment for Beta Testing, enabling customers to preview application upgrades prior to deployment, enhancing user experience and product reliability.
- Enhanced Long Polling and FCM methodologies to bolster data consistency and customer access to device status promptly and efficiently.
- Demonstrated strong problem solving skills by effectively troubleshooting and resolving complex technical issues, contributing to a **30%** reduction in system downtime, enhanced product stability and improving customer satisfaction by **25%**.
- Actively participated in Agile sprint planning and retrospectives, fostering a culture of continuous improvement and team collaboration, resulting in **10%** increase in team productivity.
- Mentored junior team members, fostering a deeper understanding of product workflows and guiding them towards more efficient coding practices to uphold product quality and team effectiveness, leading to **50%** reduction in onboarding time.

42Gears Mobility Systems Pvt Ltd, Member Of Technical Staff I

(Jul, 2019 - March,2020)

- Engineered AWS CloudWatch metrics, empowering developers with efficient application debugging capabilities.
- Spearheaded the design and development of a Diagnostic Portal to monitor server health using WebSocket..
- Implemented an Application Versioning system using powershell scripting to dynamically update static files.

42Gears Mobility Systems Pvt Ltd, Member Of Technical Staff Intern

(Jan, 2019 - Jun,2019)

- Implemented Google Recaptcha v2 on the application's signup page, ensuring validation and to prevent automated bot requests..
- Created an API endpoint to capture and store user details, enhancing product analytics and user tracking capabilities.

SKILLS

- Language:** Golang,C++,C#,Java,Python • **Framework/Tools:** VS Code, Eclipse, SpringBoot, Xunit, TestNG,..net Core,Django, Entity Framework
- Front-End tools:** HTML,Bootstrap,JavaScript,Angular(Typescript),React.js • **Observability:** Prometheus Cloudwatch • **OS:** Windows, Linux
- Technologies:** MongoDB, MVC, RESTful APIs, Multi-Threading, Concurrency Programming, OOP, Hibernate, Data Structures and Algorithms, Cloud Services, MySQL, NoSQL, Redis, Design Patterns and Principles, Git, IIS, Unit and Integration Testing, Big Query, AWS, Azure, GCP, Kafka, Agile, Kubernetes, Docker, Low level design, High Level Design, Functional & Non-Functional Requirements, Messaging, SDLC, Code Reviews, Cloud Implementation, Data integration, Scrum, Kanban, Jira, Big Data,Powershell, CI/CD, Jenkins, TDD, Shell Scripting

CERTIFICATIONS AND WORKSHOPS

- Introduction to OWASP, ISMS and HIPAA Security Standards** (2019-2023)
- Introduction to Core Java** (June, 2017)
- Introduction to Modern Application Development** (Oct, 2016)
- Introduction to Python Fundamentals** (Feb, 2016)