

# Nagarjun Mallesh

Boston, MA

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## SUMMARY

Experienced Software Engineer with expertise in Windows OS development, operational workflow optimization, and Golang/NodeJS-based web application development. Skilled in optimizing algorithms and analyzing code efficiently to increase project efficiency and customer satisfaction. Proficient in a range of programming languages, databases, applications, and web development tools. Successfully delivered multiple projects. As a quick learner, confident, and result-oriented team player, I am seeking a development role to leverage my technical expertise and interpersonal skills.

## WORK EXPERIENCE

- |   |                         |
|---|-------------------------|
| <b>HP Inc.</b>  | Oct 2019 - Jul 2022     |
| <i>Software Engineer</i>  | <i>Bangalore, India</i> |
| <ul style="list-style-type: none"><li>• Developed tailored Windows OS using Microsoft's vanilla version and PowerShell scripts reducing BIOS Configuration project turnaround time by 50% while eliminating human error.</li><li>• Implemented scalable operational workflow accelerating product development process by 32%, cutting project time by 33%.</li><li>• Created comprehensive documentation &amp; instructions to facilitate the successful deployment of Windows OS across multiple platforms, achieving a 95% user adoption rate.</li><li>• Developed an algorithm to optimize OS implementation on personal computers and servers, resulting in a 40% reduction in project turnaround time.</li></ul> |                         |
| <b>DigitalAPI Craft Pvt Ltd</b>   | Jul 2019 - Oct 2019     |
| <i>Associate Technical Specialist</i>   | <i>Bangalore, India</i> |
| <ul style="list-style-type: none"><li>• Focused on analyzing and developing NodeJS and Golang-based server-side applications</li><li>• Integrated customer-specific requirements into websites, achieving delivery within shorter deadlines and reducing labour costs by 20%.</li><li>• Optimized resource usage by analysing code efficiently, increasing efficiency by 30% compared to previous deployments.</li><li>• Developed robust Golang &amp; NodeJS-based web applications with customer-specific requirements, resulting in 95% of requests exceeding customers' expectations.</li></ul>   |                         |

## SKILLS & INTERESTS

**Programming Languages:** Golang, Java, C++, C, Python, Powershell, PHP, JSP, SpringBoot  
**Databases:** PostgreSQL, MySQL(SQL), MongoDB (mongo)  
**Applications:** Adobe Lightroom, Premier Pro, Adobe Illustrator, Figma, Adobe XD, Agile, Kafka  
**Web Development:** JavaScript, HTML, CSS, React, NextJS, NodeJS, TailwindCSS, UI/UX Designing  
**Operating Systems:** Vanilla OS (Windows OS), macOS, linux, UNIX

## PROJECT EXPERIENCE

- |  |                     |
|--|---------------------|
| <b>Food Ordering/Deliver Management System – (MySQL, PowerBI)</b>  | Feb 2023 - Apr 2023 |
| <ul style="list-style-type: none"><li>• Crafted innovative food ordering/delivery management system using Mysql &amp; PowerBI to optimize business processes, leading to increased customer satisfaction by 20%.</li><li>• Configured reporting dashboard with PowerBI for real-time insights &amp; transparent customer tracking, allowing for comprehensive visualization of project performance data.</li></ul>   |                     |
| <b>MentorHub – (NextJS, NodeJS, TypeScript, MongoDB, React, Redux)</b>   | Oct 2022 - Dec 2022 |
| <ul style="list-style-type: none"><li>• Created a comprehensive networking platform for Northeastern University's students, faculty, and alumni to connect, communicate, and access mentorship opportunities.</li><li>• Improved system authorization and authentication by developing APIs with Nest.js and JWT tokens, and enhanced user experience by optimizing UX/UI design with React and NextJS, resulting in a 5% increase in positive feedback.</li></ul> |                     |
| <b>Keys - Student Accommodation Management – (JAVA 8, JAVA Swing)</b>  | Oct 2022 - Dec 2022 |
| <ul style="list-style-type: none"><li>• Adopted Abstract Factory Pattern to facilitate functionality enhancements, resulting in improved usability from 40% to 90%.</li><li>• Developed widgets incorporating graphs &amp; email notifications for an enhanced user experience, contributing to a 50% rise in monthly user engagement.</li></ul>   |                     |

## EDUCATION

- |   |                      |
|---|----------------------|
| <b>Northeastern University</b>                                      | Expected May 2024    |
| <i>Master of Science, Information Systems</i>                       | <i>Boston, MA</i>    |
| <b>Visvesvaraya Technological University</b>                        | July 2019            |
| <i>Bachelor of Engineering, Information Science and Engineering</i> | <i>Bangalore, IN</i> |