

# ROHITH CHIKKALA

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## PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building scalable backend systems, APIs, and automation frameworks using Python, Golang, and SQL. Strong foundation in machine learning, data science, and distributed systems, reinforced by advanced coursework at UMBC. Proven ability to deliver high-performance backend and testing solutions in Agile teams using modern DevOps tools. Passionate about designing scalable, fault-tolerant architectures and contributing to impactful, customer-centric products..

## EDUCATION

<b>University of Maryland at baltimore county(UMBC)</b>   Baltimore county, MD	<b>Jan 2024 - Dec 2025</b>
<i>Masters in Engineering management</i>	<b>GPA : 3.7</b>
<b>Indian Institute of Technology Madras (IITM)</b>   Chennai, India	<b>July 2016 - May 2021</b>
<i>Bachelor and Master of Technology in Electrical Engineering</i>	

## TECHNICAL SKILLS

Languages	: Python, SQL (Postgres), R, C/C++ , Golang
Project Management Tools:	: MS Project, Jira, Asana,wbs, pursuing PMP certifications
DevOps and Technologies	: Splunk, Jenkins, Postman, gRPC
Project & Financial Management	: Cost control, Risk analysis, Supply chain logistics
Development	: API integration, Test automation frameworks, Web scraping (FastAPI)

## EXPERIENCE

<b>Beehyv software soulutions</b>   Software Developer	<b>Jan 2022 - Jan 2024</b>
Python, Golang, Javascript	Hyderabad, India

- Led a team of 5 engineers to integrate Jenkins, Postman, and Splunk within a Dremio.io-based analytics environment to automate CI/CD workflows and API testing. Configured Jenkins for build and test automation, integrated Postman collections into pipelines for continuous API validation, and leveraged Splunk for centralized logging and real-time monitoring. This DevOps-driven approach reducing manual deployment steps by **70%** , accelerated delivery cycles, and API testing time by **50%**
- Developed backend APIs in Go (Golang) to integrate with PagerDuty and Clutch.sh. Created RESTful endpoints that triggered PagerDuty incident alerts via its API and invoked Clutch workflows for infrastructure orchestration clutch.sh . Leveraging Go's performance and concurrency, these services automated incident notifications and operational tasks, reducing manual overhead and ensuring timely on-call alert response.
- Built a comprehensive test automation framework in Python to validate application functionality. Employed testing libraries (e.g. pytest) to script reusable end-to-end test suites, executing automated tests against key features. Integrated this Python framework into the CI/CD pipeline for continuous testing, reducing manual testing effort (by roughly 40) and accelerating early defect detection.
- Created responsive login interfaces using **React**, featuring client-side validation and state-managed components. Improved authentication workflows and enhanced user experience across internal platforms.
- Designed and implemented a user management and analytics system within **Dremio** to track office hours, leave balances, Data lakes and performance appraisals. Enabled HR teams to generate on-demand insights without manual data handling.

<b>Cognizant R &amp; D</b>   Lowcode-nocode	<b>Jun 2021 - Dec 2021</b>
UNQORK	UK, Remote

- Conducted performance analysis and complexity evaluation of various low-code/no-code platforms to support tooling decisions for internal application development.
- Completed training in **Unqork**, and developed a production-ready dashboard for medical insurance workflows, enhancing process visibility and reducing manual operations.

<b>Inuaid Solutions</b>   Inventory Managment system	<b>Jun 2020 - Aug 2020</b>
Python	Chennai,IITM RESEARCH PARK

- Developed a Advanced inventory management system using **Python** and **SQL**, incorporating **video/audio recognition** for automated stock updates.
- Built a user authentication module with **Tkinter**, integrating it into a functional desktop application.

## PROJECTS

- Devolped a battery managment system using Machine learning Adam optimizer to predit Battery remaning life using **Nasa dataset** with an accuracy of 97

## AWARDS AND COMPETITIONS

- IGVC Competition: Represented IITM in the Intelligent Ground Vehicle Competition in **Rochester, Michigan**, securing 2nd place.