

BHARGAV REDDY DUDDUGUNTA

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Enthusiastic Software Engineer pursuing a Master's in Computer Science, with expertise in mobile development, cloud technologies, and scalable system architecture. Passionate about using cutting-edge technologies like **Java, Ruby on Rails, and CI/CD pipelines** to solve complex problems and build highly efficient, reliable, and user-focused software systems. Strong collaborator in **Agile development environments**, with a focus on continuous improvement and delivering high-quality code.

WORK EXPERIENCE

VEGROW

Bangalore, IN

Software Development Engineer 1

Nov 2022 – Dec 2023

- Collaborated on **full-stack projects**, including the development of scalable RESTful APIs using **Ruby on Rails** and **Go**, driving daily revenue by \$400K and enhancing the user experience for over **10,000 daily active users**.
- Played a key role in the software development and design of the last-mile delivery solutions for the supply chain, improving logistics efficiency and overall customer satisfaction.
- Improved code reliability to 83% by implementing comprehensive module-level **unit tests** and **integration tests** using **RSpec**, reducing critical bugs by 60%.
- Optimized API performance by **24%** through the implementation of **dynamic scheduling techniques**, resulting in significantly reduced server response times and improved overall system efficiency.
- Applied **continuous integration and deployment (CI/CD)** pipelines for seamless product releases, reducing release times by 30%.
- Integrated **Google APIs** for enhanced mapping and geolocation services, as well as **Intugene APIs** to track drivers with their consent, enabling real-time **turnaround time** monitoring and reducing delivery delays.
- Worked with front-end technologies including **HTML, CSS, and JavaScript** to develop user-facing features.

TATA CONSULTANCY SERVICES

Hyderabad, IN

Systems Engineer

May 2022 – Nov 2022

- Developed and maintained backend services using **Java** and Ruby on Rails, improving application performance and scalability.
- Utilized Java to implement **object-oriented solutions** for improving core system functions, aligning with business needs.
- Enhanced debugging and testing processes using **CI tools**, contributing to system stability and reduced defects in Java-based services.

EDUCATION

GEORGE MASON UNIVERSITY

Fairfax, VA

Master of Science in Computer Science

Expected Dec 2025

Coursework: DataBase Systems, Web Technologies, DataMining

GPA: 3.89/4

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE

Vijayawada, IN

Bachelor's of Technology in Computer Science

Jul 2018 - Jul 2022

Coursework: operating systems, Distributed Systems, Data Structures and Algorithms, Network Security, Machine Learning, AI

TECH SKILLS

Programming Languages	: Ruby, java, Python, Go, SQL, Rails UI, TypeScript, JavaScript
Web Technologies	: Ruby on Rails, HTML/DOM, CSS, HTTP, RESTful APIs, Git
Certifications & Training	: Cisco Networking Academy: PCAP- Programming Essentials in Python
Methodologies	: Agile, SDLC, TDD, CI/CD
Frameworks & Tools	: Docker, Kubernetes (basic understanding), Telemetry, API Integration, Automation Tools

UNIVERSITY PROJECTS

Inventory Management System ([Link](#))

Apr 2024

Developed an inventory management system using **Ruby and SQL** for small businesses. Implemented features for tracking stock levels, order processing, and generating sales reports. Improved stock management efficiency by 20% through the automation of manual tasks.

Dynamic Backend Infrastructure for E-commerce Platform ([Link](#))

Jan 2024

Developed a scalable backend infrastructure using **GO and PostgreSQL**, ensuring robust and efficient performance under high traffic. Designed and implemented RESTful APIs for seamless front-end and back-end communication, facilitating smooth user interactions and system operations. Employed microservices architecture to enhance scalability and maintainability, improving the system's ability to handle increasing loads and complexity.