BALAJI THOTA

Savage, MN | balaji.us73@gmail.com | +1(929)-562-9036 | **Portfolio** | **Linkedin** | **Github**

PROFESSIONAL SUMMARY

Full Stack Software Engineer with experience designing and integrating enterprise web applications, data-driven systems, and cloud-based solutions. Skilled in Python, JavaScript, React, Django, and Oracle EBS, with a strong background in RESTful API development, database optimization, and CI/CD automation. Adept at collaborating across cross-functional teams to deliver scalable, reliable, and performance-focused business applications in Agile environments.

TECHNICAL & INTERPERSONAL SKILLS

Programming & Frameworks: Python, JavaScript, Node.js, Flask, Django, React.js, HTML5, CSS3, Bootstrap, GraphQL

Databases & Cloud: MySQL, PostgreSQL, MongoDB, SQLite, Terraform, Helm AWS, Docker, Kubernetes

Development Tools: Git, GitHub Actions, VS Code, RESTful APIs, WebSockets, CI/CD, Jira

Soft Skills: Teamwork, Communication, Time Management, Problem-Solving, Adaptability

EDUCATION

State University of New York (Utica, NY) - MS in Computer Science ⸻ Jan 2023 – Dec 2024
Coursework: Data Science, Algorithms & Complexity, OS, Database Systems, SE, Distributed Computing ⸻ GPA: 3.44/4.0

EXPERIENCE

Software Engineer, Daikin Applied Americas - Plymouth, MN ⸻ Dec 2024 – Present
- Developed and integrated Oracle EBS interfaces for Order Processing, AMS, Shipping, and Financial modules to optimize O-to-C.
- Implemented dataplate printing functionality for Control Panel items and validated AMS triggers during UAT at the OWT facility.
- Performed end-to-end testing and data verification for OWS printer integrations and Intellinum MWA/Cipher label print systems.
- Supported Sales Portal, Claims Processing, and Data Lake/Power BI integrations to improve reporting and business insights.
- Collaborated with the Incident Management team to analyze, troubleshoot, and resolve production-level integration issues.
- Assisted in automating test scenarios and enhancing data consistency across SCP, iSupplier, and Custom Warranty modules.
  Tech Stack: Oracle EBS, Python, SQL, REST APIs, Azure DevOps, Power BI, Salesforce, Intellinum MWA, AMS, OTM.

Full Stack Developer, HCLTech - Hyderabad, India ⸻ Aug 2020 – Nov 2022
- Developed & optimized real-time IoT web apps using Django, React & PostgreSQL, reducing latency and improving system efficiency.
- Designed secure RESTful APIs and real-time data pipelines, contributing to analytics dashboards and scalable reporting features.
- Automated CI/CD pipelines with GitHub Actions and Docker, streamlining deployment processes and reducing release time.
- Participated in Agile sprints, optimized SQL queries, enhanced API security, and supported backend performance improvements.
- Collaborated with global teams to integrate IoT solutions into enterprise systems, for real-time monitoring and predictive analytics.
- Migrated legacy apps to containerized microservices using Docker and Kubernetes, enhancing scalability and deployment speed.
  Tech Stack: Python, Java, Flask, Django, MySQL, PostgreSQL, Docker, Kubernetes, SQL Optimization, Linux, JSON.

PROJECTS

Thota Motors – Web Application | React.js, JSX | Website | GitHub ⸻ Present 2025
- Built a responsive website for a family business. Planned back-end integration with Django and a database for role management.

Extending Forward-Forward Algorithm | ML, Optimization | GitHub ⸻ Nov 2024
- Enhanced the Forward-Forward algorithm for complex datasets by improving efficiency and exploring beyond backpropagation.

Orgdb Database Management System | MySQL, Python | GitHub ⸻ Apr 2024
- Designed a role-based access control DB system for data management, implementing secure authentication and user management.

Image Captioning | Python, PyTorch | OneDrive ⸻ Feb 2024

For additional projects and details, visit: GitHub Portfolio

CERTIFICATIONS

- **Python for Everybody Specialization, Web Design for Everybody** | University of Michigan, Coursera
- **Front-End Developer, Back-End Developer** (In Progress) | Meta, Coursera
- **Amazon EC2 Basics, RDS Primer, Fundamentals** (In Progress)| AWS, Coursera