

Charith Boddu

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PROFESSIONAL SUMMARY

I am a highly skilled and motivated computer science professional with over 3 years of experience. I hold a Master's degree in Computer Science and have a strong background in Software development, Full stack Development (MEAN), and Cloud computing. I have successfully implemented cutting-edge technologies, optimized processes, and enhanced user experiences in various industries. My expertise lies in full-stack development, agile methodologies, and leveraging cloud platforms such as AWS and Azure.

EDUCATION

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|---|-------------------------|
| University of Dayton | Dayton, Ohio |
| <i>Master of Science in Computer Science</i> | <i>GPA: 3.8</i> |
| <ul style="list-style-type: none">• Coursework: Machine Learning, Data Visualization, Data Mining, Distributed Systems & Cloud Computing. | |
| GITAM University | Hyderabad, India |
| <i>Bachelor of Engineering in Computer Science</i> | <i>GPA: 9.71/10</i> |
| <ul style="list-style-type: none">• Research and Maintaining a high traffic AWS Server with features such as load balancing, Relational data storage. | |

WORK EXPERIENCE

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|---|---------------------------------------|
| University of Dayton | Dayton, Ohio |
| Software developer Intern | <i>January 2023-December 2023</i> |
| <ul style="list-style-type: none">• This project could be useful in simplifying and streamlining the process of filling out online forms, by leveraging technology to automatically extract text from images and populate the corresponding form fields.• Automated the deployment of new features and bug fixes using a Azure DevOps pipeline with Jenkins, Docker. This increased the uptime of the university's web applications by 99.9%, which translated into a significant improvement in the user experience.• Configured security measures for the User environment, including IAM roles, RBAC, and SSL/TLS.• Automated Azure VM deployment with Terraform, significantly reducing provisioning time for dev and test environments. | |
| MSR COSMOS (MSR IT LMT) | Hyderabad, India |
| Software Developer | <i>September 2020 - December 2021</i> |
| <ul style="list-style-type: none">• Proficiently worked with relational databases, including DB2 and SQL Server, performing SQL querying, data modeling, and ensuring data integrity.• Developed and maintained production-quality software applications using JavaScript and Angular ensuring cross-browser compatibility and responsive design.• Built robust backend services and integration solutions using Java and Postgres SQL, enabling seamless data flow and scalability.• Designed and implemented a modular microservices architecture, promoting scalability and flexibility in software development.• Effectively utilize Angular and advanced frameworks like Angular Material and ngx-bootstrap to develop dynamic and interactive single-page applications, seamlessly integrating RESTful API for smooth data exchange, while ensuring application reliability and quality through API testing using tools like Postman• Actively participated in Agile project management frameworks such as Scrum and Kanban and Project Management tools (Git, JIRA, Jenkins), delivering projects on time and collaborating effectively with cross-functional teams.• Utilized Azure DevOps for efficient continuous integration and deployment, ensuring smooth software delivery and optimization. | |

Chakravuyha software technologies

Associate Software Developer

Mangalore, India

August 2018 - August 2019

- Upgraded and tested an existing web app for internal communications using **Angular** and **Jasmine**; enhanced user experience and extended the userbase by three times.
- Implemented efficient handling of web requests and responses in the front-end using Angular, resulting in a 90% reduction in server errors.
- Designed and developed RESTful APIs using JSON and XML, and implemented security features, tested, documented, and deployed APIs to production environments.
- Enhanced user engagement by creating dynamic and interactive pages using JavaScript frameworks such as React, HTML, CSS, and Bootstrap, resulting in a 10% increase in user engagement.
- Established and maintained a robust CI/CD pipeline using GitLab, Docker, and Kubernetes, ensuring automated builds, tests, and deployments to multiple environments.
- Proficient in Agile methodologies such as Scrum, practicing Test Driven Development (TDD) and participating in sprint planning and retrospective meetings, leading to a 10% increase in project success rate.
- Reduced the number of QA defects by 40% by implementing professional engineering practices including unit testing and documenting the APIs using **Swagger**.

TECHNICAL SKILLS

- Programming Languages: Java, JavaScript, C#, .NET, React, Python, Angular, Go, HTML/CSS, Web services (REST & SOAP), Node JS, Express JS, Machine learning
- Databases: SQL/NoSQL, MongoDB, SQL Server, Oracle, Relational databases
- Tools: Git, JIRA, Jenkins, Gitlab, SVN, Apache, Postman
- Cloud Platforms: AWS, Azure, Google Cloud Platform
- Data Structures: Arrays, Linked Lists, Stacks, Queues, Trees, Graphs
- Containers and Configuration Tools: Docker, Kubernetes, Terraform, Chef
- Agile Methodologies: Scrum, Kanban
- Environments: Eclipse, IntelliJ, Maven, Visual Studio, Apache, Android Studio, GitLab, Gitbash, Log4j.

PROJECTS

- Collaborated to build backend services including login, CRUD operations, and look-up functionality of a webpage, using C# and .NET Core, Redis, and MySQL.
- Developing a carpool application for University of Dayton students using Angular, MongoDB, and Node.js; integrating Google Maps API for location autocomplete, distance calculation, and city-based route selection.
- Demonstrated front-end development skills by creating a [Amazon Prime](#) clone utilizing TMDB API for movies list and frameworks such as React JS.
- Implemented **ML algorithms** (FNN, LSTM, CNN) over VerBio and Facial Expression Recognition datasets.

LEADERSHIP and VOLUNTEER EXPERIENCE

- **Organized** conference proceedings, managing 100+ speakers check-ins with 5 parallel presentations for 3 days, arranging the event logistics for the International Hackathon Conference, 2017.
- **Led** a team of 3 for SAE Baja 2018 and designed a system to reduce braking distance by 5 feet using computer vision; managed procurement and project management of an ATV with a team of 30.
- **Volunteered** for The Street Store and helped gather and distribute essentials for people in need.