

Sai Sathwik Reddy Varikoti

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EDUCATION

Indiana University Bloomington <i>Master of Science in Computer Science - GPA: 3.89</i>	Bloomington, IN <i>May 2025</i>
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PROFESSIONAL EXPERIENCE

Full Stack Developer Project 990, Indiana University <i>ReactJs, NextJs, Python, Spring boot, Java, D3.js, SCSS, PostgreSQL, RESTful API, NLP</i>	Bloomington, IN <i>Oct 2024 - Present</i>
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- Architected full-stack web platform using ReactJs, D3.js, Spring boot, and PostgreSQL to analyze philanthropic data, enabling visualization and analysis of 1.1M+ organizations.
- Developed LLM-powered classification system using BART fine-tuning on IU's Big Red 200 supercomputer to categorize mission statements.
- Engineered REST APIs and database architecture from scratch, powering a platform processes 12M+ tax records and serves real-time data visualizations.

Full Stack Engineer Future Wonder <i>Spring boot, Java, ReactJs, Python, Typescript, PostgreSQL, Selenium, Tailwind CSS, Docker</i>	Bloomington, IN <i>May 2024 - Nov 2024</i>
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- Developed a high-performance API in Spring boot with PostgreSQL, optimizing data retrieval from 500ms to 150ms and supporting real-time portfolio transactions for over 5,000 concurrent users without performance degradation.
- Developed responsive, reusable ReactJs and React Native components with Tailwind CSS and TypeScript, scaling platform to support 20+ new features without impacting performance across different devices.
- Automated reporting workflows with Python and Selenium, providing real-time insights on strategy and exceptions, eliminating 10+ hours of manual effort weekly.

Software Engineer Likewize <i>VueJs, Nuxt.js, Express.js, GraphQL, AWS, Typescript, Node.js, PostgreSQL, Docker, Sass</i>	Chennai, India <i>July 2021 - July 2023</i>
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- Coordinated with cross-functional teams to design and deploy 4+ E-commerce websites utilizing Nuxt.js, VueJs, StorefrontUI, and Express.js, resulting in a 30% increase in customer acquisition.
- Engineered a GraphQL API layer atop CommerceTools API, enhancing data retrieval and reducing query response times from 400ms to 100ms.
- Integrated multi-factor authentication (MFA) with Okta and AWS Cognito using OAuth 2.0, enhancing account security for 10,000+ users.
- Executed advanced SEO tactics, integrating sitemap and robots.txt, resulting in a 20% surge in search visibility and a 25% improvement in website indexing.
- Resolved critical production issues within hours using AWS CloudWatch, safeguarding \$70K+ in revenue by maintaining system stability.
- Leveraged Lighthouse to conduct performance analysis to implement and validate the implementation of asynchronous JavaScript in Nuxt.js, achieving a 30% reduction in page load times.
- Engineered a RESTful API gateway using Node.js to facilitate secure and efficient communication among micro-services and the frontend, increasing service throughput to handle 12,000+ requests per second.

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, C#, TypeScript, Go, C/C++.
Database Stack: MySQL, PostgreSQL, NoSQL (MongoDB).
Web Technologies: ReactJs, VueJs, NextJs, NuxtJs, HTML5, CSS3, JSON, NodeJS, ExpressJs, GraphQL, Jest, Cypress, Selenium.
Tools: Spring boot, Kafka, Git, Docker, Kubernetes, Postman, Jira, Linux, Lighthouse, Vercel, Tableau, React Native, Redux.
Cloud Technologies: AWS EC2, DynamoDB, Redis Cache, S3, SNS, SQS, Lambda, Cognito, CloudFront, Cloudflare.

ACADEMIC PROJECTS

- Bash Boss | React, ExpressJs, AWS (RDS, S3), Typescript, PostgreSQL (Event Management System)**
- Established Duo MFA, blocking all unauthorized access attempts post-implementation and establishing a scalable authentication framework for future growth.
 - Integrated Stripe payment gateway to handle over 5,000 transactions per day, significantly ensuring secure payments.
- Hoosier Health | Angular, Spring Boot, Hibernate, RxJs, MySQL (Health Care Management System)**
- Implemented telemedicine, facilitating 70+ remote consultations and increasing patient reach by 30%.
 - Designed a seamless UI, ensuring smooth communication between front-end and back-end systems for 100+ users.