

JOHN VEDANTH RAJ BANTU

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PROFESSIONAL SUMMARY

I am a Java-focused Full Stack Developer with a Master’s in Cybersecurity, skilled in Java, Spring Boot, Spring Cloud, and microservices for building secure and scalable applications. I have designed platforms that improved user engagement, reduced downtime, and optimized performance across cloud environments like AWS and Azure. With strong frontend expertise in React.js, Angular, and Flutter, I deliver intuitive interfaces that complement robust backend systems. Grounded in secure coding practices and applied cybersecurity research, I ensure solutions are both high-performing and resilient. My experience in Agile product teams enables me to align technology with business goals, consistently delivering measurable impact.

TECHNICAL SKILLS

Programming Languages: Java, TypeScript, JavaScript, Python, Dart, HTML, CSS
Java Ecosystem: Spring Boot, Spring Cloud, Microservices, REST APIs, Secure Coding, JPA/Hibernate
Frameworks & Libraries: Angular, React.js, Flutter, Node.js, Express.js, Bootstrap, Material UI
Databases: MySQL, PostgreSQL, MongoDB, Firebase
Cloud & DevOps: AWS, Azure, Docker, Microsoft Entra ID, CI/CD Pipelines
Tools & Platforms: Git, Jira, VS Code, IntelliJ IDEA, Postman
Methodologies: Agile (Scrum), Software Development Lifecycle (SDLC), Web Accessibility Standards

WORK EXPERIENCE

Research Assistant – Cybersecurity
Saint Louis University

St. Louis, MO
Sep 2024 – Apr 2025

- Conducted web application vulnerability assessments, identifying critical risks and improving resilience through secure coding.
- Evaluated and tested multi-factor authentication and network defense strategies, validating effectiveness against cyber threats.
- Assisted in developing proof-of-concept security tools, contributing to applied research projects in secure systems.
- Authored detailed technical reports and presentations, used in both academic and professional forums to shape security practices.
- Collaborated with graduate researchers on secure system architectures, strengthening risk assessment and applied research outcomes.

Frontend Developer Intern
King of the Curve

St. Louis, MO
May 2024 - Aug 2024

- Improved exam-prep platform UI with responsive Flutter components, raising active users by ~146 per month.
- Enhanced design efficiency and responsiveness, increasing student engagement by 21%.
- Integrated Firebase Authentication and Realtime Database, reducing data sync latency by ~192ms and improving login security.
- Refined navigation and workflows, cutting task completion time by 13% for key user flows.
- Partnered with UI designers in Agile sprints, iterating features based on user feedback to enhance usability metrics.

Full Stack Developer – L2
Wipro Technologies

Hyderabad, India
May 2021 – Jul 2023

- Developed a scalable movie review platform using Angular, Spring Boot, and MySQL, boosting session duration by 4.8 minutes per user.
- Designed microservices with Spring Cloud and Docker, cutting downtime by ~2.8 hours monthly and enabling independent service scaling.
- Applied frontend performance optimization (lazy loading, minification, caching), reducing load time by 1.8 seconds and improving SEO.
- Delivered an internal logistics dashboard that improved tracking efficiency by 24%, enhancing decision-making.
- Built a customer service portal that reduced support ticket delays, improving resolution timelines and satisfaction rates.
- Contributed to Agile ceremonies, ensuring consistent delivery of business-aligned product features.

Frontend Developer Intern
Techmihirnaik

Remote
Jan 2020 – March 2021

- Built Angular-based responsive UI components for a food delivery platform, adding ~96 daily active users through better usability.
- Integrated Google Maps API for restaurant tracking, improving location accuracy by ~9.8 km.
- Embedded Razorpay and Stripe payment APIs, cutting checkout time by 14 seconds and boosting payment reliability.
- Fixed asset-loading issues, reducing page load times by ~312ms during peak traffic.
- Partnered with backend teams to improve API responsiveness, ensuring stable user experiences during high-volume transactions.

PROJECTS

Secure Personal Finance Manager

- Developed a MERN-stack finance manager with role-based access, dashboards, and transaction tracking.
- Implemented JWT authentication, encryption, and session management, ensuring secure handling of financial data.
- Delivered a responsive interface with real-time updates, enabling a smooth cross-device user experience.

DineFindr

- Built a full-stack restaurant reservation app (MERN) with real-time bookings, reviews, and secure role-based access.
- Designed RESTful APIs and integrated authentication, enabling customers and restaurants to interact securely.
- Created an intuitive UI that improved usability and increased engagement during testing phases.

Portfolio Website

- Built a MERN-based responsive portfolio showcasing projects and skills, with React Router navigation and interactive elements.
- Integrated a secure contact form (Formspree) and reusable React components for streamlined updates.
- Delivered a clean, user-friendly interface accessible across devices.

Chest Disease Predictor

- Developed a CNN model on Kaggle datasets to classify chest diseases using X-ray imaging.
- Preprocessed large-scale image data and trained deep learning models for accurate predictions.
- Demonstrated applied expertise in machine learning, medical imaging, and AI-based diagnostics.

EDUCATION

Master of Science in Cybersecurity GPA: 4.00/4.00
Saint Louis University

Aug 2023 – May 2025
St. Louis, MO

Relevant Coursework: Full Stack Web Development, Advanced JavaScript, Database Systems, Cloud Application Development, Software Engineering Principles

Bachelor of Technology in Computer Science GPA: 3.75/4.00
Jawaharlal Nehru Technological University

Aug 2018 – May 2022
Hyderabad, India