

# Vinay Billa

Software Developer

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Medium](#)

## SKILLS

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- **Languages:** Java, Python, C, JavaScript, TypeScript
- **Frameworks:** Spring Boot, Angular, React.js, Next.js, Express.js
- **Web Technologies:** RESTful APIs, Microservices
- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes
- **Databases:** MySQL, Oracle, MongoDB
- **ORM Frameworks:** Hibernate, JPA
- **Tools:** Git, Maven, Gradle, Jenkins, AWS CodePipeline, Terraform, Ansible
- **Deployment:** UCBuild, UCDeploy
- **Testing Frameworks:** JUnit, Jasmine, Karma, Mocha
- **Scripting Language:** ShellScripting
- **Operating Systems:** Windows, Linux
- **Other:** CI/CD pipelines, Infrastructure as Code (IaC)
- **Website Management:** Squarespace, WordPress
- **Office Suites:** Microsoft Office (Excel, Word, PowerPoint), Google Suite (Sheets, Docs, Slides, Drive)
- **IDEs:** Eclipse, IntelliJ Idea, Microsoft VS code

## PROFESSIONAL EXPERIENCE

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### Saint Louis University

Software Engineer

Saint Louis, Missouri

Jan 2025

- Delivering lectures and guiding students through key cloud-native concepts, including containerization, microservices, and Kubernetes.
- Facilitating discussions on cloud deployment strategies and helping students implement cloud-based solutions.
- Mentoring students through office hours, assisting with coursework, and grading assignments to ensure a strong understanding of distributed systems and cloud computing.

### CitiusTech Healthcare Technology Pvt. Ltd

Software Engineer

Mumbai, India

Jan 2022 - May 2024

- Designed and developed a highly interactive web application using Angular, ensuring responsive UI/UX and seamless functionality across devices.
- Ensured robust application performance and stability by implementing unit tests using Jasmine and Karma, achieving a 98% test coverage rate.
- Architected and developed RESTful APIs using Spring Boot, publishing them through Axway (API management platform) and Stoplight (API design and documentation tool). Integrated API endpoints with the front-end for real-time data exchange, ensuring seamless communication between backend services and UI.
- Optimized database queries and interactions, resulting in a 20% improvement in response times for critical business systems by refining SQL queries and optimizing database transactions.
- Led Knowledge Transfer sessions for junior developers, focusing on Angular, RESTful services, and business logic, improving team efficiency and technical skills.
- Conducted thorough code reviews to maintain coding standards, reduce bugs, and ensure adherence to best practices in version control (Git) and code quality.

- Implemented and optimized batch processing jobs using Spring Batch, integrating with databases, Kafka, and external APIs, achieving a 20% increase in batch job efficiency and reduced system load.
- Developed comprehensive error-handling and retry strategies, minimizing downtime and enhancing application reliability in mission-critical systems.
- Actively contributed to the continuous improvement of development pipelines, including CI/CD processes using Jenkins, ensuring rapid deployment and iterative improvements.

## **Infosys Pvt. Ltd**

**Hyderabad, India**

Senior Systems Engineer

Oct 2019 - Jan 2022

- Integrated backend services with TIBCO middleware, automating data flow and ensuring seamless integration of business processes between distributed systems.
- Collaborated with the TIBCO support team to develop and monitor producers, consumers, topics, and subscribers, ensuring high system availability and efficient messaging protocols.
- Developed and optimized DTOs and payload mappings for reading, writing, and transforming TIBCO JSON responses, ensuring compatibility and seamless data exchange.
- Automated critical back-office functions for Human Resources and services, reducing manual workload by 25% through process automation using Spring Boot and Java.
- Streamlined back-office workflows by integrating RESTful APIs, reducing redundancies and improving overall operational efficiency.
- Performed rigorous code analysis and optimization, ensuring compliance with business requirements and improving system performance by addressing key bottlenecks.

## **Addicor Technologies Pvt Ltd**

**Pune, India**

Software Engineer Intern

Apr 2018 - July 2018

- Contributed to the development of dynamic features for the UI dashboard, enabling granular user privilege management, significantly improving user role functionality.
- Assisted in drafting and refining software design documents, enhancing clarity around system requirements and technical architecture for improved team collaboration and project execution.
- Participated in the full software development lifecycle, collaborating with senior developers to ensure seamless integration of new features and adherence to best coding practices.

## **PERSONAL PROJECTS**

### **CriticsWorld**

**May 2024 – August 2024**

Developed a React.js frontend and integrated it with a Node.js backend for an interactive review platform. Utilized AWS Lambda for scalable backend services and S3 for efficient storage, ensuring high performance and user satisfaction.

### **Fundoo**

**September 2019 – January 2020**

Built a note-keeping application using React.js and Node.js, with backend services deployed on AWS for scalability. Integrated AWS S3 for data storage and implemented performance optimization techniques for a smooth user experience.

## **EDUCATION**

### **Saint Louis University**

**Saint Louis, MO**

MS - Computer Science

May 2024 - Dec 2025

- Relevant Coursework: Cloud Computing, Distributed Systems, Data Structures and Algorithms

### **Xavier Institute of Engineering**

**Mumbai, India**

BE - Computer Science

Aug 2015 - Jul 2019