

Vineeth Yelagandula

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Summary

Motivated Full Stack Java Developer with expertise in both front-end and back-end technologies, seeking to contribute to innovative software solutions. Adept at designing, developing, and deploying scalable applications, with hands-on experience in software engineering and web development through internships. Proficient in Java, Python, and C++, alongside a solid understanding of computer science principles, including object-oriented design, algorithms, and data structures. Skilled in building robust, high-performance systems and eager to leverage technical expertise to drive impactful projects in a dynamic tech environment

Education

University of Dayton <i>Master of Science, Computer Science</i> <ul style="list-style-type: none">GPA: 3.8Coursework: Advanced Programming, Data Structures and Algorithms, Advanced Storage Technologies, Object Oriented Programming, kernels, Internals, Operating Systems, Job Scheduling, Resource Management, File Systems, Performance Engineering	Aug 2023 - May 2025 <i>Dayton, Ohio</i>
Sreenidhi Institute of Science and Technology <i>Bachelor Of Technology, Computer Science</i> <ul style="list-style-type: none">GPA: 3.2Coursework: Data Base Management System, JAVA Object-Oriented Programming, Python Programming, Machine Learning.	Aug 2019 - Jun 2023

Skills

- Programming and Frameworks:**Java,J2EE, Spring Boot, Spring MVC,C++, Python, JavaScript, Node.js, React.js,R Programming, Next.js
- Databases and Data Managment:** MySQL, PL/SQL, SQL/PostgreSQL, MongoDB, AWS RDS, Cassandra, Oracle
- Cloud & DevOps:** AWS (EC2, S3, Lambda, CDK), Kubernetes, Docker, Apache Kafka, Jenkins, Build Pipelines, CI/CD, DevOps
- Web and UI Technologies:**HTML5,CSS3, JavaScript, React.js,Vue.js,Bootstrap, jQuery,TypeScript,GraphQL,Django,Carbon System Design
- Testing and Automation:** Selenium, JUnit, Cucumber, Automated Testing, Blackbox Testing, Functional Testing, Manual Testing, Performance Testing, Regression Testing, Smoke Testing, System Integration Testing, Unit Testing, User Acceptance Testing
- Software Development Methodologies:** Agile SDLC, Waterfall SDLC, REST, JSON
- Soft Skills:** UX/UI Design, Problem-Solving, Time Management, Communication
- Architecture & Microservices:** Application Architecture, Data Architecture, Infrastructure Architecture, Microservices
- Developer Tools:** Git, Postman, Splunk, Linux/Unix, Visual Studio Code, IntelliJ, Package Management (npm, yarn)

Work Experience

Denauralen <i>Full Stack Software Developer Intern</i> <ul style="list-style-type: none">Designed and implemented a user analytics dashboard using the MERN stack (MongoDB, Express, React.js, Node.js), improving user engagement by 15% through real-time insights and data visualization.Enhanced backend functionality using Node.js to support high-traffic data requests, ensuring system scalability and reliability.Improved customer experience by analyzing feedback from multiple data sources, enabling data-driven business decisions.	Jan 2023 – Jul 2023 <i>India</i>
StuMagz <i>Web Development Intern</i> <ul style="list-style-type: none">Improved website responsiveness and enhanced user experience by optimizing loading time by 25% using JavaScript frameworks (React.js, JQuery) and CSS animations, resulting in a 15% increase in user retention.Integrated Bootstrap for consistent and responsive UI, ensuring cross-platform compatibility across desktop and mobile devices, leading to a 10% increase in mobile traffic	Jan 2022 - Jul 2022 <i>India</i>

Projects

Chat-Bot As A Service(link) <ul style="list-style-type: none">Developed a full-stack AI-powered chatbot application using Spring Boot and React.js, enabling real-time messaging via WebSockets (STOMP) and RESTful APIs, improving message delivery speed by 35%.Integrated Auth0 OAuth 2.0 authentication, securing user access and enhancing identity management with token-based authentication.Implemented OpenAI API for intelligent chatbot responses, optimizing API calls to reduce response latency by 30%.Designed a PostgreSQL database schema for efficient message storage and retrieval, leveraging Spring Data JPA to improve query performance by 25%.Configured CORS and security policies to allow cross-origin requests from the frontend, ensuring seamless communication between React and Spring Boot.Dockerized the entire application and deployed it on AWS, automating deployment with Docker Compose and container orchestration, reducing manual setup time by 40%.Achieved high code maintainability by implementing service-layer architecture, dependency injection, and modular REST API design.	Aug 2023 - Dec 2023
E-Commerce Platform (link) <ul style="list-style-type: none">Developed a microservices-based e-commerce backend, improving efficiency by 20% in product management and 25% in checkout times, while reducing stock update delays by 15%.Integrated secure payment processing with Stripe and established a persistent shopping cart, enhancing user experience and transaction reliability.Achieved 99.9% uptime using Spring Cloud for resilience and deployed with Docker and Kubernetes, resulting in a 30% increase in overall system performance.	Jan 2024 - Mar 2024

Publications

- [A Review on Latest Trends in Development of Remotely Operated Marine Robots](#), The International Conference on Bio-Neuro Informatics and Algorithms (ICBNA 2022)

Certifications

- AWS Certified Machine Learning - Specialty:** Amazon Web Services (AWS), Demonstrated expertise in applying machine learning techniques in cloud environments using AWS services (SageMaker, EC2, S3).
- Cisco Certified Network Associate (CCNA):** certification in networking fundamentals, including IP addressing, routing, and switching.