

JAYANTH KRISHNA KALAVAPUDI | Software Developer

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PROFESSIONAL SUMMARY

Software Developer with hands-on experience building **scalable, user-centric web applications** using React, Node.js, Express, and SQL. Strong foundation in **OOP, data structures, algorithms, RESTful API development, and database design**. Experienced in **full-stack development, software engineering best practices, and Agile methodologies**, with a proven ability to deliver **efficient, maintainable, and high-performance software solutions**.

EDUCATION

M.S. in Information and Management, Illinois Institute of Technology, Chicago, IL | 2024–2025 | GPA: 3.7

B.Tech in Information Technology, PVP Siddhartha Institute of Technology, India | 2019–2023 | GPA: 3.42

SKILLS

Technical Skills:

- **Programming Languages:** Java, C++, Python, JavaScript, SQL
- **Frontend:** React.js, HTML5, CSS3, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication
- **Databases:** MySQL, MongoDB, Relational & NoSQL Design
- **Tools & Platforms:** Git, GitHub, VS Code, Postman, Agile/Scrum
- **Concepts:** Data Structures & Algorithms, OOP, MVC Architecture, SDLC, Authentication & Authorization, Performance Optimization

EXPERIENCE

Teaching Assistant - Fundamentals of Web Development

Illinois Institute of Technology, Chicago | (Aug 2024 - Aug 2025)

- Assisted in the design and development of **responsive, multi-page web applications** using **HTML5, CSS3, JavaScript (ES6+)**, reinforcing modern frontend engineering concepts and improving overall student project completion rates by **30%** through structured hands-on mentorship.
- Conducted **code reviews, debugging sessions, and refactoring** of student projects, significantly improving **code readability, modularity, and maintainability**, while reducing logical and runtime errors by **25%**.
- Instructed and enforced **software engineering best practices**, including **modular architecture, separation of concerns, DRY principles, reusable components, version control workflows, and web accessibility (WCAG) standards**, resulting in more scalable and production-ready applications.
- Provided guidance on **client-server architecture, HTTP/REST, DOM manipulation, and responsive UI design**, reinforcing real-world frontend and full-stack workflows..
- Mentored students on **debugging techniques, browser developer tools, performance optimization, and cross-browser compatibility**, enabling efficient problem-solving and improved application performance.
- Supported Agile-based coursework by assisting with **requirements analysis, feature implementation, testing, and iterative improvements**, closely mirroring industry-level **SDLC** practices.

Software Developer Intern

Virtusa, India | (Nov 2022 - Nov 2023)

- Assisted in developing **responsive, multi-page web applications** using **HTML5, CSS3, and JavaScript (ES6+)**, increasing student project completion rates by **30%**.
- Conducted **code reviews, debugging, and refactoring**, improving **code quality, modularity, and maintainability**, and reducing logical and runtime errors by **25%**.
- Enforced **software engineering best practices**, including **modular design, separation of concerns, DRY principles, reusable components, Git workflows, and WCAG accessibility standards**, producing scalable, production-ready applications.
- Guided students on **client-server architecture, RESTful APIs, DOM manipulation, and responsive UI design**, reinforcing real-world frontend and full-stack development concepts.
- Mentored students in **debugging techniques, browser developer tools, performance optimization, and cross-browser compatibility**, improving application reliability and user experience.
- Supported **Agile-based coursework** through **requirements analysis, feature development, testing, and iterative improvements aligned with SDLC practices**.

CERTIFICATIONS

Oracle Certified Associate – Java SE 8 | Microsoft Azure Fundamentals | AWS Academy Graduate (AI/ML)