

Karthik Jaddu

Full Stack Engineer

A highly skilled Full-Stack Developer with 4 years of experience in designing and implementing web applications across various platforms. Proficient in Java, C#, and SQL, with expertise in both front-end technologies (HTML, CSS, JavaScript, Angular, React) and back-end frameworks (Node.js, Express.js). Experienced in Agile methodologies and the Software Development Life Cycle (SDLC), capable of deploying applications on cloud platforms (AWS, GCP). Strong knowledge of database management (MySQL, MongoDB, PostgreSQL) and API development (RESTful, GraphQL). Adept at using version control tools (Git, GitHub) and continuously focusing on improving application performance through testing and optimization. Excellent communication and problem-solving skills foster effective collaboration within teams.

Explore my work: <https://karthik-0824.github.io/Portfolio/>

SKILLS SUMMARY

Programming Languages	Java, C#, SQL
Software Methodologies	Agile, Scrum, SDLC Waterfall.
Web Technologies	HTML, DHTML, XML, CSS, jQuery, JavaScript, AJAX, Bootstrap, JSON, Angular 6/8/9/10/11, React JS, Node JS, Express JS, Angular JS.
Web Services	RESTful APIs, GraphQL APIs
Databases	MySQL, Mongo DB, PostgreSQL
Testing Tools/Others	Postman.
Build Tools	Maven 3.3.9, Jenkins
Version Control Tools	GIT, GITHUB 2.12.0, SVN, Bit Bucket.
Cloud and Deployment	AWS (EC2, S3), Google Cloud Platform (GCP), Google Kubernetes Engine (GKE), Vercel, Heroku, Docker, CI/CD Pipelines
IDE Tools	Spring Tool Suite, Eclipse, IntelliJ IDEA 2017.1, VS Code
Operating Systems	Windows, Linux, Mac OS
Soft Skills	Rapport Building, Attention to Detail, Excellent Communication, Team Collaboration, Problem Solving.

WORK EXPERIENCE

Software Engineer Intern | Cisco Systems, Richardson Texas

May 2024– Aug 2024

Responsibilities:

- Assisted in the design and development of web applications, focusing on front-end components using HTML, CSS, and JavaScript.
- Supported back-end development by writing APIs in Node.js and working with databases like MongoDB to manage application data.
- Participated in daily stand-up meetings and contributed to project sprints as part of an Agile team.
- Collaborated with senior developers to troubleshoot issues and implement enhancements based on feedback from stakeholders.

Achievements:

- Successfully completed a project on integrating responsive design elements, which improved application usability and responsiveness across various devices.
- Gained hands-on experience in version control using Git, contributing to code repositories and participating in code reviews.

Systems Engineer | Infosys Limited, Mangalore (India)

Mar 2019 – June 2023

As a Systems Engineer at Infosys Limited, I played a pivotal role in the design and development of cutting-edge web applications, focusing on creating seamless user experiences and optimizing backend performance. My responsibilities include collaborating with cross-functional teams to implement robust solutions that meet business needs while driving innovation and efficiency within our software projects.

Responsibilities:

- **Application Development:** Designed and developed robust web applications (**Adidas Website**) using modern front-end technologies including **Angular** and **React JS**, and back-end frameworks like **Node JS** and **Express JS**. Implemented and integrated both **RESTful** and **GraphQL APIs** for seamless data interaction.
- **Database Management:** Managed data storage and retrieval for applications using **MySQL** and **PostgreSQL**. Developed complex queries and optimized database performance for enhanced application efficiency.
- **Cloud Deployment:** Deployed web applications in **AWS** and **Google Cloud Platform**, leveraging services like **EC2**, **S3**, and **Google Kubernetes Engine** (GKE). Utilized **Docker** for containerization, ensuring streamlined development and deployment processes.
- **Software Development Lifecycle:** Actively engaged in **Agile** and **Scrum** methodologies, contributing to sprint planning, daily stand-ups, and retrospectives. Adapted to **SDLC Waterfall** methodologies when required, ensuring project milestones were met.
- **Version Control:** Managed source code using **Git** and platforms such as **GitHub** and **Bitbucket**, fostering effective collaboration and versioning practices across development teams.
- **Continuous Integration/Continuous Deployment (CI/CD):** Implemented **CI/CD pipelines** using **Jenkins** and **Maven 3.3.9** to automate build and deployment processes, reducing manual errors and enhancing deployment speed.
- **Testing and Quality Assurance:** Conducted API testing with **Postman** and participated in unit testing initiatives, ensuring high-quality deliverables. Collaborated closely with QA teams for integration and user acceptance testing (UAT).

Achievements:

- Enhanced application performance by optimizing both front-end responsiveness and back-end efficiency, achieving a **20% decrease in page load times**.
- Led a successful project to migrate legacy applications to modern technology stacks, improving maintainability and significantly enhancing user experience.
- Developed a **generative AI feature** utilizing pre-trained models to deliver personalized content recommendations, enriching user interaction.

PROJECTS

Real Time Chat App | [Link](#)

Designed and deployed a production-grade chat application supporting real-time communication, secure user management, and persistent data storage.

Robo Friends | [Link](#)

Built an interactive, searchable robot directory using real-time API integration and dynamic filtering.

EDUCATION

- **M.Sc. Computer Information Systems**, Southern University at New Orleans, LA.
- **B.Sc. Electronics and Communication Engineering**, CMR Institute of Technology, Hyderabad.

CERTIFICATIONS

Full Stack Developer (ZTM) | [Link](#)

Web Developer (Edureka) | [Link](#)