

VENKATESWAR REDDY KOTHAPALLY

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 LinkedIn

 Portfolio

EDUCATION

Wilmington University

Jan 2024

Masters in IST Internet and Web-design

New Castle, DE

Coursework: Data Structures & Analysis of Algorithms, Web Technologies, Machine Learning, Database Systems

Annamacharya Institute of Technology and Sciences

May 2018

Bachelors in Electronics and Communications Engineering

Hyderabad, India

Relevant Coursework: Operating Systems, Computer Networks, Database Management Systems

EXPERIENCE

Amazon Development Center

Aug 2018 - June 2021

Role: SDS Associate(C)

- Collaborated cross-functionally with Amazon's catalog and operations teams to ensure data integrity and compliance across multiple product listings.
- Participated in quality assurance checks and data normalization processes, maintaining high accuracy in product detail pages.
- Flagged and resolved catalog defects by identifying systemic issues and communicating with upstream and downstream teams.
- Assisted in process optimization by identifying workflow bottlenecks and contributing to documentation for best practices.
- Worked as an onboarding trainer for freshers and enhanced documentation clarity, team onboarding processes resulting in quicker ramp-up time for new associates.
- Cultivated a deep understanding of Amazon's internal systems and pipelines, which laid the groundwork for later transitions into software development roles.

Kube IT

Aug 2023 – June 2024

Role: Software Developer

- Collaborate with team members to determine the best practices and client requirements for software.
- Develop intuitive software that meets and exceeds the needs of the company.
- Analyze and test programs and products before formal launch.
- Aid and support the coaching and training of other team members to ensure all employees are confident in the use of software applications.

Role: Java Full stack developer

- Collaborate with the team to define Java-based software requirements, ensuring alignment with client needs.
- Design and develop intuitive, user-friendly solutions for both frontend and backend using Java frameworks like Spring Boot, meeting company and client expectations.
- Maintain software applications professionally with version control and CI/CD pipelines for seamless updates.
- Conduct thorough testing pre-launch using frameworks like JUnit and tools like Selenium for both front-end and backend.
- Troubleshoot efficiently using debugging tools to minimize downtime.

Role: .NET developer (Software Engineer)

- Engineer, code, and test software solutions utilizing C# and ASP.NET, ensuring optimal performance and scalability.
- Work closely with software designs to create and implement scalable system designs, choosing suitable technologies, and defining system components.
- Diagnose and fix software bugs and performance issues using advanced debugging tools, maintaining high-quality application performance.
- Connect .NET applications with databases, third-party services, and APIs, and manage the deployment process for smooth installations and updates.
- Stay up to date with the latest advancements in the .NET framework and software development best practices, continually improving skills and application quality.

PROJECTS

Technologies: ASP.NET Core, EF Core, Blazor WASM, SQL Server, JWT, Azure, Docker

- Built scalable RESTful APIs with ASP.NET Core for managing employee data and leave requests
- Implemented JWT-based authentication and RBAC across frontend and backend
- Designed normalized SQL schema and used EF Core with code-first migrations
- Created reusable Blazor components for employee portal with dynamic UI based on roles
- Integrated email notifications using SendGrid and SignalR for real-time updates
- Deployed production-ready build to Azure App Services with CI/CD via GitHub Actions)

- Built RESTful APIs using Spring Boot and JPA for managing dynamic contract templates, approvals, and version control
- Developed a responsive frontend with React to visualize contract lifecycles and automate alerts for expiry/renewal
- Secured application with JWT-based authentication and role-based authorization using Spring Security

- Automated testing using JUnit and Selenium, achieving 90% code coverage and reducing bugs pre-deployment
- Deployed complete CI/CD pipeline using Jenkins and Docker; hosted app on AWS EC2 with PostgreSQL on RDS

Project 3: Kube IT | Internal Ticketing & Knowledge Base Platform

Aug 2023 – June 2024

- Developed a company-wide ticketing and self-help platform, enabling employees to report and track issues in real time
- Built dynamic knowledge base with markdown editor and search functionality for faster resolutions
- Integrated role-based access and notification system using .NET Identity and SignalR
- Wrote and executed unit and UI tests with xUnit and Selenium, reducing bugs by 60% pre-release
- Provided technical training and wrote documentation to onboard junior devs and non-technical staff

SKILLS

Languages: Java, C#, JavaScript, TypeScript, SQL (T-SQL, PL/pgSQL), HTML5, CSS3, Bash

Frontend: React.js, Angular, Blazor WebAssembly, Bootstrap, Tailwind CSS, Redux, Axios, Chart.js, Formik, React Hook Form

Backend: Spring Boot, ASP.NET Core, Node.js (basic), Entity Framework Core, Hibernate, Spring Data JPA, RESTful API Design

Database: SQL Server, PostgreSQL, MySQL, Code-First Migrations, Stored Procedures, Query Optimization

Security & Authentication: JWT Authentication, OAuth2, Role-Based Access Control (RBAC), Spring Security, ASP.NET Identity

DevOps & Deployment: Docker, Docker Compose, GitHub Actions, Jenkins, Azure App Services, AWS EC2 & RDS, CI/CD Pipelines, Multi-stage Builds

Testing: JUnit, xUnit, Mockito, Selenium, Cypress, Postman, Swagger

Tools & Utilities: Git, GitHub, Bitbucket, Visual Studio, IntelliJ IDEA, VS Code, Figma, Postman, Draw.io, Maven, Gradle, MSBuild, SonarQube