

# VENKATESWAR REDDY KOTHAPALLY

Delaware, USA

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## EDUCATION

<b>Wilmington University</b>	Jan 2024
Masters in IST Internet and Web-design	New Castle, DE
Coursework: Data Structures & Analysis of Algorithms, Web Technologies, Machine Learning, Database Systems	
<b>Annamacharya Institute of Technology and Sciences</b>	May 2018
Bachelors in Electronics and Communications Engineering	Hyderabad, India
Relevant Coursework: Operating Systems, Computer Networks, Database Management Systems	

## EXPERIENCE

<b>Amazon Development Center</b>	Aug 2018 - June 2021
Role:	
Related work:	
<b>Kube IT</b>	Aug 2023 – June 2024
Role: Software Developer	
<ul style="list-style-type: none"><li>Collaborate with team members to determine the best practices and client requirements for software.</li><li>Develop intuitive software that meets and exceeds the needs of the company.</li><li>Analyze and test programs and products before formal launch.</li><li>Aid and support the coaching and training of other team members to ensure all employees are confident in the use of software applications.</li></ul>	
<b>Squad Software</b>	May 2024 – Dec 2024
Role: Java Full stack developer	
<ul style="list-style-type: none"><li>Collaborate with team to define Java-based software requirements, ensuring alignment with client needs.</li><li>Design and develop intuitive, user-friendly solutions for both frontend and backend using Java frameworks like Spring Boot, meeting company and client expectations.</li><li>Maintain software applications professionally with version control and CI/CD pipelines for seamless updates.</li><li>Conduct thorough testing pre-launch using frameworks like JUnit and tools like Selenium for both front-end and backend.</li><li>Troubleshoot efficiently using debugging tools to minimize downtime.</li></ul>	
<b>CORTracker INC</b>	Dec 2024- Present
Role: .NET developer (Software Engineer)	
<ul style="list-style-type: none"><li>Engineer, code, and test software solutions utilizing C# and ASP.NET, ensuring optimal performance and scalability.</li><li>Work closely with software designs to create and implement scalable system designs, choosing suitable technologies, and defining system components.</li><li>Diagnose and fix software bugs and performance issues using advanced debugging tools, maintaining high-quality application performance.</li><li>Connect.NET applications with databases, third-party services, and APIs, and manage the deployment process for smooth installations and updates.</li><li>Stay up to date with the latest advancements in the .NET framework and software development best practices, continually improving skills and application quality.</li></ul>	

PROJECTS

Project 1: *CORTRACKER INC (Full-stack .NET Project)*

Dec 2024 - Present

**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)

Project 2: **Squad Software | Client Contract Lifecycle Management System (CLMS)**

May 2024 – Dec 2024

- 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

Project 4:

Date- Date

Points:

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