# Mani Kanth Dhotre
## Software Engineer
**+1 (704) 907-8289** | manikanthd027@gmail.com | LinkedIn | GitHub | **Atlanta, GA**

## PROFESSIONAL SUMMARY

With a proven track record spanning over 4+ years as a Full Stack Developer, I bring extensive experience in building scalable, high-performance applications. My expertise includes front-end technologies like **HTML5**, **CSS3**, **ReactJS**, **JavaScript**, and **TypeScript**, coupled with back-end frameworks such as **Java**, **C#**, **C++, Spring Boot**, **Microservices,** and **Hibernate**. I am proficient in cloud platforms such as **AWS**, **Microsoft Azure**, and **GCP**, and skilled in using tools like **Docker**, **Jenkins**, and **Maven** for seamless deployments. Additionally, I have a strong command of databases like **MySQL**, **Oracle**, and **MongoDB**, consistently delivering efficient solutions that meet business objectives.

## TECHNICAL SKILLS

**Programming Languages:** Java, C#, Python, C++, JavaScript, TypeScript, SQL
**Web Technologies (Front-End and Back-End Development):** HTML5, CSS3, Bootstrap, ReactJS, Spring Boot, Spring MVC, Spring JDBC, JPA, Spring Data JPA, Hibernate, Kafka, XML, REST API's, JDBC, JSON, Microservices
**Database:** MySQL, Oracle, MongoDB, Microsoft SQL Server, H2, Firebase DB
**Project Management and Collaboration Tools:** Git, GitHub, Jenkins, Docker, Bitbucket, Junit, Mockito
**Cloud Technologies:** Microsoft Azure, AWS, GCP
**Build Tools and IDE's:** Apache Maven, Gradle, IntelliJ IDEA, VS Code, Visual Studio, Android Studio, Eclipse
**Visualization Tools:** Tableau, Power BI
**API Documentation Tools:** Postman
**Other Skills:** Data Structures & Algorithms, CI/CD Pipelines, Design Patterns, Relational Database, UI/UX Design, Figma, Object Oriented Programming, Software Development Life Cycle, Software Testing, Debugging, Agile Methodologies, MS Office

## EDUCATION

Master of Science in Computer Science, **GPA: 3.8**                                    **Aug 2022 – Dec 2023**
**University of North Carolina at Charlotte**
Coursework: Algorithms and Data Structures, Network Based Application Development, Mobile Application Development, Database Systems, Visual Analytics, Rapid Prototyping

## PROFESSIONAL EXPERIENCE

**Software Engineer | Wissen IT, Rock Hill, SC, USA**                                    **Feb 2024 – Present**
- Developed a high-performance transaction system with **Java**, **Spring Boot**, **MySQL**, and **Kafka**, reducing transaction times by 30% and enhancing reliability.
- Led security enhancements using **Spring Security** and **OAuth 2.0**, reducing security breaches and meeting industry standards.
- Designed a mobile banking app with **React Native**, **RESTful APIs**, **TypeScript**, and **Firebase**, improving user engagement by 25% and earning 90% positive feedback.
- Engineered a microservices architecture with **Spring Boot** and **Spring Cloud**, significantly improving system scalability and ensuring seamless deployment of new features.
- Implemented a comprehensive **CI/CD** pipeline using **Jenkins**, **Docker**, **GitHub**, and **Kafka**, for real-time data integration, reducing deployment time by 50% and minimizing manual intervention during releases.

**Tech Stack:** Java, TypeScript, Spring Boot, Spring Security, ReactJS, RESTful APIs, Jenkins, Microservices, Kafka, AWS (EC2, S3, RDS, DynamoDB), Material-UI (MUI)

**Software Developer | Hexagon R&D India, Hyderabad, India**                                    **Aug 2021 – Jul 2022**
- Designed **RESTful APIs** using **Java** and **Spring Boot**, optimizing transaction processing and enhancing the mobile banking experience.
- **Collaborated on CI/CD pipelines** with **GitHub** and **Azure**, cutting manual errors and speeding up account management feature deployment by 25%.
- Designed **RESTful APIs** for secure communication in loan applications, boosting system performance and user experience.
- Aligned cross-functional teams to streamline project requirements for online payments, **increasing project completion by 40%** and reducing scope creep by 25%.
- Engineered a data management system with **Spring Data JPA**, optimizing database response times for transaction history and account statements.
- **Enhanced software reliability** by implementing **JUnit** and **Mockito** for automated testing, reducing post-deployment defects by 30%.

**Tech Stack:** Java, Spring Boot, Spring Data JPA, RESTful APIs, Azure (for CI/CD and deployments), Azure Pipelines, GitHub, MySQL, JUnit, Mockito, Agile tools

**Software Engineer | Heresy Infotech Private Limited, Hyderabad, India**                                 **Aug 2018 – Jul 2021**
- Developed responsive web pages for appointment scheduling using **HTML**, **CSS**, and **Bootstrap**, improving portal engagement.
- Engineered medication management features with **JavaScript**, **React**, **TypeScript**, and **RESTful APIs**, enhancing user experience.
- Designed and implemented **Java-based backend for EHR lab results**, boosting data retrieval speed by 15% and reducing query execution time by 20%.
- Optimized **CI/CD pipelines** for telemedicine, increasing deployment frequency by 35% and reducing production issue resolution time by 25%.
- Coordinated sync-ups for patient portal messaging, enhancing team communication, increasing project completion rates by 30%, and reducing rework by 25%.
- Documented and streamlined deployment processes for health tracking, ensuring smooth execution and reducing task time.
- Led the development of a patient feedback feature, significantly improving **client retention** and **customer satisfaction**.

**Tech Stack:** HTML, CSS, JavaScript, ReactJS, TypeScript, RESTful APIs, Java, Spring Boot, MySQL, Jenkins, AWS, Azure Pipelines, GitHub, Agile project management tools

## PERSONAL PROJECTS

**Spring Boot Banking Application**
- Developed a full-stack banking application using Spring Boot, Java, and MySQL.
- Implemented features including account opening, deposit, withdrawal, listing all accounts, and retrieving account details by ID.
- Utilized RESTful APIs for communication between the front-end and back-end.
- Ensured security using Spring Security for authentication and authorization.
- Leveraged Postman to rigorously test and validate RESTful APIs, ensuring seamless communication between the front-end and back-end components of the banking application.

**Environment:** Java, Spring Boot, Spring Data JPA, MySQL, IntelliJ IDEA, Postman, RESTful APIs, Spring Security

**NewsApp Web Application**
- Implemented a feature to categorize news articles into topics such as technology, business, sports, etc., enhancing user experience by providing organized content using React.js.
- Developed a search feature allowing users to efficiently find specific news articles based on keywords or topics of interest, improving accessibility and usability.
- Designed a detailed view for news articles, displaying key information such as headlines, publication date, source, and possibly summaries or excerpts, enhancing user engagement and comprehension.
- Ensured cross-device compatibility by implementing responsive design principles, making the application accessible and user-friendly on various devices including desktops, tablets, and smartphones.

**Environment:** HTML, CSS, JavaScript, Bootstrap, React.js, React Router, Visual Studio, Fetch API

**Product Trading Web Application**
- Directed a product trading website using Node, Express, MongoDB, Mongoose, HTML/CSS, JavaScript.
- Followed the MVC (Model View Controller) pattern during development.
- Established user authentication/sessions using express-session modules and custom middlewares.
- Created flash messages for user notifications using the connect-flash module.

**Environment:** HTML, CSS, JavaScript, Node.js, MongoDB, Web Server, MVC Architecture, Visual Studio

**Mobile Application Android**
Designed 10+ mobile apps using the following.
- Developed and maintained comprehensive Android applications using Android Studio and the Android SDK, ensuring robust and scalable solutions with efficient Java programming.
- Implemented Data Binding and MVVM architectural pattern for efficient UI development and improved application scalability, ensuring a clean separation between UI components and business logic. Utilized AndroidX libraries including ViewModel, RecyclerView, CardView, and ConstraintLayout for structured and responsive UIs.
- Utilized Retrofit and OkHttp for seamless network communication and interaction with RESTful services and employed Hilt for dependency injection to enhance code modularity.
- Established Firebase for authentication, data management, and file storage, while also integrating Google APIs and services such as Google Maps, Google Places, and Google Directions APIs.
- Developed unit tests with JUnit and Mockito to validate software functionality and robustness.

**Environment:** Java, Android Studio, Postman, JSON, XML, REST API's, Firebase, Google API's