

# RAHUL KRISHNA PALLATH

806-283-0944 • rpallath@ttu.edu • <https://www.linkedin.com/in/rahul-krishna-pallath-895602169/> •

## SUMMARY

Innovative Software Engineer with 5+ years of experience in building scalable, user-centric web applications and Salesforce solutions. Proficient in Salesforce Lightning components, Apex, Visualforce, and LWC, with a strong focus on delivering high-quality, stable, and efficient solutions. Skilled in Agile methodologies, CI/CD pipelines, and test-driven development, with a proven ability to work independently and collaboratively in fast-paced environments. Passionate about leveraging emerging technologies to solve complex business problems and improve processes.

## EDUCATION

### MS, Computer Science

Graduating May 2025

Texas Tech University, Lubbock, TX

Edward E. Whitacre Jr. College of Engineering

Relevant coursework: Enterprise Software Architecture, Machine Learning, Software Development Lifecycle, Database Management and Embedded Systems.

## TECHNICAL SKILLS

**Frontend:** JavaScript, TypeScript, ReactJS, Angular, HTML5, CSS3, SASS, Bootstrap, jQuery, AJAX, JSON, XML

**Frameworks/Libraries:** React Native, Node.js, NPM, Maven

**Backend:** Java, Spring Boot, RESTful APIs, MySQL

**Salesforce:** Apex, Lightning Components, LWC, Visualforce, SOQL, Flows, Validation Rules, REST APIs, Bulk APIs, Salesforce Order Management, Commerce Cloud Integration

**Testing:** Jest, Jasmine, Selenium, Karma

**AI/ML:** Generative Adversarial Networks (GANs), Decomposed Adversarial Learning, TensorFlow, PyTorch

**Tools:** Git, Docker, Jenkins, Postman, Figma

**Methodologies:** Agile/Scrum, CI/CD, Test-Driven Development (TDD)

## PROFESSIONAL EXPERIENCE

### Texas Tech University, Lubbock, TX: Research Assistant

January 2024 – Present

- Designed and developed an AI-driven educational portal using .NET, C#, JavaScript, and MySQL, enabling students to solve coding problems, upload notes, and receive automated evaluations.
- Implemented SPRC programming for real-time coding problem evaluation and optimized system performance by 25% through database indexing and API caching.
- Enhanced learning outcomes for 2,000+ students by integrating professor-uploaded materials and feedback tracking features.

### Mphasis Corporation, New York, NY: Associate (Software Development Intern)

May 2024 – August 2024

- Developed ReactJS and TypeScript components for a banking platform, improving UX and engagement by 20%.
- Integrated third-party APIs using Postman, ensuring seamless communication between frontend and backend systems.
- Gained hands-on experience with CI/CD pipelines and Agile methodologies, contributing to rapid issue resolution.

### Deloitte Consulting, Bangalore, India: Technology Consultant

January 2023 – August 2023

- Developed and maintained Salesforce solutions using Salesforce Lightning components, Apex, and Visualforce, ensuring high-quality, stable, and efficient functionality for enterprise clients.
- Designed and implemented Lightning Pages and LWC components, improving user experience and streamlining business processes.
- Conducted thorough testing, including unit testing and integration testing, to validate functionality and ensure dependent systems worked correctly.
- Collaborated with cross-functional teams to research and implement new technologies, such as Salesforce Order Management and Commerce Cloud integration, to meet growing business needs.
- Provided accurate estimations, met deadlines, and worked independently with minimal oversight, delivering projects on time and within scope.

- Earned Salesforce Platform Developer I certification, demonstrating expertise in Apex, SOQL, and declarative tools like Flows and Validation Rules.

### **Deloitte Consulting, Bangalore, India: Business Technology Analyst**

August 2020 – December 2022

- Built client-facing applications on the Salesforce platform, leveraging REST APIs and Bulk APIs to integrate with external systems.
- Developed Apex classes and triggers to automate business processes, improving efficiency and reducing manual effort.
- Utilized Salesforce declarative tools to create Flows, Validation Rules, and Process Builders, enhancing system functionality and user experience.
- Participated in on-call rotations and worked off-hours to resolve critical issues, ensuring system stability and uptime.
- Mentored junior developers on Salesforce best practices and Agile workflows, fostering a culture of continuous learning.

### **Freelance Developer, Kerala, India: Point of Sale (POS) System Developer**

Ongoing

- Built a real-time order management system using Angular and TypeScript, reducing kitchen errors by 60%.
- Containerized applications using Docker and deployed via NGINX, reducing deployment errors by 50%.

## **PROJECTS**

### **Enterprise-Level Front-End Application**

2024

Developed and optimized an enterprise-level UI application, ensuring responsive design and ADA compliance.

- Tech Stack: Angular, TypeScript, HTML5, CSS3, SASS, Bootstrap, REST APIs
- Implemented caching strategies and authentication/authorization mechanisms, improving performance and security.
- Collaborated closely with UX designers to conduct user research and design complex UX flows, resulting in a 15% increase in user satisfaction.

### **Movie Ticket Booking System**

2024

Designed a responsive UI with Angular Material, enabling real-time seat selection and payment processing.

- Tech Stack: Angular 15, MySQL, Spring Boot, HTML/CSS, REST APIs
- Optimized backend performance using Java/Spring Boot, achieving sub-second API response times during peak traffic.
- Focused on consumer-grade UI/UX principles, ensuring a seamless experience for end-users.

### **Fairness-Aware News Recommendation System**

2024

Developed a fairness-aware news recommendation system using Generative Adversarial Networks (GANs) to mitigate bias in personalized news recommendations.

- Tech Stack: Python, TensorFlow, PyTorch, GANs, Decomposed Adversarial Learning
- Implemented Decomposed Adversarial Learning and Orthogonality Regularization to create bias-free user embeddings, ensuring fair and diverse content recommendations.
- Achieved a 20% improvement in fairness metrics by reducing bias related to sensitive user attributes like gender.
- Integrated data visualization using D3.js to provide insights into recommendation fairness, improving transparency for stakeholders.

## **CERTIFICATIONS**

- Salesforce Platform Developer I, Angular Certification (Udemy), Complete Frontend Developer (Udemy), Responsive Web Design (freeCodeCamp), Java Certification (Oracle), Complete Python Development (Udemy), Introduction to AWS (Udemy)