

PRAJWAL SRINIVASAMURTHY

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EDUCATION

Texas Tech University

Masters in Computer Science

Texas, USA

Expected Graduation: May 2027

Sri Venkateshwara College of Engineering

Computer Science Engineering, CGPA: 8.61/10

Bengaluru, India

2019-2023

WORK EXPERIENCE

CSGI

Software Developer

Bengaluru, India

08/2023 - 08/2025

- Spearheaded the **UI redesign** of the primary payment gateway, creating a more intuitive and streamlined interface that was adopted by **5 cross-functional teams**, improving their development efficiency.
- Led the **migration of MSSQL database to Aurora PostgreSQL**, completely restructuring and optimizing the schemas to improve query response time by 30% and build a scalable foundation for onboarding high-transaction merchants.
- Enhanced **REST API** functionalities by tailoring response payloads to specific merchant requirements, improving data usability and supporting new partner integrations.
- Ensured 99.9%+ uptime for all payment applications by rapidly resolving critical production incidents with high accuracy and proactively implementing enhanced security checks to prevent **fraudulent carding attacks** while maintaining and updating **legacy** codebase applications.

CSGI

Software Developer Intern

02/2023 – 08/2023

- Engineered a full-stack payment feature using Angular and .NET, which simplified the user checkout workflow and **optimized API responses**.
- Authored **80+ unit tests** with Karma and Jasmine for critical payment components, **increasing front-end test coverage from 45% to 80%** and improving application reliability.
- Refactored the **monolithic Angular front-end** into reusable, modular components, significantly improving **code maintainability** and accelerating **future development cycles**.

PROJECTS

Aurora Migration

- Migrated a large-scale enterprise application from **MSSQL** to **PostgreSQL**, handling schema design, data conversion, and query optimization.
- Refactored application code to support the new database, ensuring seamless integration and improving system **scalability** and performance.
- Conducted **regression** testing and validation to ensure zero data loss and improved query efficiency post-migration.
- Delivered migration and feature enhancements that support over **200K** merchants, improving transaction reliability and scalability.

Venmo Integration

- Integrated **Venmo SDK** into Forte Checkout, enabling seamless peer-to-peer payment support alongside existing methods.
- Built an **iframe-based modal** for secure transactions and optimized the front end in **Angular** for a smooth user experience.
- Ensured compliance with security protocols and performed **unit/integration testing** for reliability.
- Contributed to features used by **150K+ merchants**, significantly increasing the adoption of Venmo as a payment option.

Fortress

- Designed a **privacy-first** identity management system that protects users by generating unique email aliases for online services, preventing data tracking and spam.
- Architected the full-stack application using a **.NET API**, **PostgreSQL** and **Next.js**, implementing end-to-end security with **JWT** authentication, **Argon2 hashing**, and **AES-encrypted** vault storage.

Promptify AI

- Architected a full-stack **prompt engineering** tool featuring a **React-based** floating interface and a **Node.js** backend, streamlining the transformation of **raw user inputs** into **structured AI contexts**.

TECHNICAL SKILLS

Programming & Frameworks: Python, C#, Angular, .NET , Next.js

Databases: PostgreSQL, MSSQL

Cloud & Tools: AWS, Git, Vercel

Testing: Unit Testing (Karma, Jasmine, PgTap)