# Prem Puri Goswami

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## Professional Summary

AWS Certified Solutions Architect and Full-Stack Engineer with experience designing scalable, performance optimized systems and building user-focused applications supporting thousands of concurrent users. Skilled in React.js, Node.js, PostgreSQL, and cloud-native architectures, with hands-on expertise in distributed services, API design, and microservices. Proven ability to deliver secure, maintainable code for high-volume applications while collaborating with cross-functional teams. Passionate about AI infrastructure and building next-generation software systems

## Education

Master's in information systems and technology                                               **01/2024 – 12/2025**
University of North Texas | GPA: 3.9/4.0

## Professional Experience

**Broadridge Financial Solutions - Software Engineer(contract)**                 **07/2022 – 09/2023**
- Developed and optimized 20+ RESTful APIs using Node.js, Express.js, and PostgreSQL, improving backend data retrieval efficiency by 35% for real-time financial transactions.
- Designed and deployed scalable microservices on AWS Lambda and EC2, reducing infrastructure costs by 40% and enhancing system scalability.
- Architected secure backend infrastructure integrating AWS S3 and RDS, enabling efficient data storage and role-based access management.
- Collaborated cross-functionally to deliver 15+ new product features within six months, aligning with Agile sprints and iterative user feedback loops.

**Mobigesture – Associate Software Engineer**                                        **05/2022 – 06/2023**
- Engineered responsive and modular web interfaces using React.js, Bootstrap, and jQuery, cutting UI delivery time by 20%.
- Built dashboard modules and reusable UI components for internal operation systems, boosting developer productivity and consistency across platforms.
- Integrated REST and GraphQL APIs with JWT authentication for secure, scalable data access.
- Collaborated with backend engineers to optimize data pipelines, caching strategies, and API performance.

## Technical Projects

**Animated Website** | *React.js, GSAP, Tailwind CSS* | Live Demo
- Developed a high-performance single-page interface with dynamic animations using GSAP, demonstrating proficiency in UI/UX design and frontend optimization.

**AI-Powered Job Application Tracker |** *n8n, Google Gemini API, WhatsApp API, Docker* | Code
- Engineered an AI-powered workflow automation system deployed locally using n8n, Google Gemini, and WhatsApp to add, update, and track job applications in Google Sheets via conversational commands.

**Personal Portfolio Website** | *Vite, React.js, Framer Motion, EmaiUS* | Live Demo
- Developed a modern, fast-loading portfolio using Vite for an optimized build process, integrating Framer Motion for animations and EmaiUS for a secure contact form.

**Café Finder Website** | *React.js, Google Maps API, Firebase* | Live Demo
- Reduced data load times by 40% in a location-aware app by efficiently fetching real-time data from the Google Maps API and managing state with React hooks.

## Technical Skills

**Languages**: JavaScript (ES6+), Python, SQL, HTML5, CSS3
**Frameworks & Libraries**: React.js, Node.js, Express.js, Tailwind CSS, SASS, RESTful APIs, GraphQL
**Databases**: PostgreSQL, MySQL, DynamoDB, Firebase
**Cloud & DevOps**: AWS (Lambda, S3, RDS, EC2), Serverless Architecture, Docker, CI/CD (GitLab), Postman
**Tools & Methodologies**: Git, GitHub, Agile/Scrum, REST API Design, OOP, VS Code, OpenAPI (Swagger)
**AI & Emerging Tech**: LLM integration (OpenAI API), Automation, Prompt Engineering
**Core CS**: Data Structures, Algorithms, OOP, System Design Basics

## Certifications

**AWS Certified Solutions Architect –** Associate (SAA-C03)