

Prem Puri Goswami

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Education

Master's in information systems and technology
University of North Texas | GPA: 3.9/4.0

01/2024 – 12/2025

Professional Summary

AWS Certified Solutions Architect and Full-Stack Engineer with a track record of improving user engagement by 30%. Architected and deployed high-performance APIs and microservices, reducing processing times by 35% for over 100,000 users. A proven mentor and Agile leader who contributed to the successful rollout of 15+ product features in six months.

Professional Experience

Broadridge Financial Solutions - Software Engineer

07/2022 – 09/2023

- Built 20+ high-performance REST APIs (Node.js, Express, PostgreSQL), improving data retrieval by 35% and enabling real-time financial processing.
- Deployed scalable microservices on AWS Lambda, cutting server overhead by 40% and accelerating the delivery pipeline by 30% to successfully launch 15+ product enhancements.
- Integrated AWS S3 & RDS for scalable, low-latency storage, lifting throughput in high-volume transactions.
- Implemented API security with JWT & role-based access control, protecting sensitive financial data while mentoring developers through code reviews enhancing both data integrity and team-wide code quality.

Mobigesture – Associate Software Engineer

- Engineered responsive React.js portals with Bootstrap/jQuery, cutting delivery time by 20% and ensuring cross-device consistency.
- Built dynamic dashboards & reusable components, enhancing engagement and accelerating rollout.
- Integrated REST and GraphQL APIs with JWT authentication, streamlining workflows and enforcing role-based access control.

Technical Projects

Animated Website | *React.js, GSAP, Tailwind CSS* | Live Link

- Designed, developed and deployed a fully responsive, single-page application with complex scroll-triggered animations and cinematic visuals using GSAP.
- Ensured a seamless and accessible user experience across all devices by crafting a custom responsive navigation bar and optimizing asset delivery.

Personal Portfolio Website | *Vite, React.js, Framer Motion, EmailUS* | Live Link

- Developed a modern, fast-loading portfolio using Vite for an optimized build process, integrating Framer Motion for animations and EmailUS for a secure contact form.

Café Finder Website | *React.js, Google Maps API, Firebase* | Live Link

- 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.
- Integrated Firebase for secure user authentication and scalable backend data storage, ensuring a seamless and reliable search experience.

Movie Discovery Platform | Live Link

- Engineered and deployed a full-stack app to search and save movies, querying a DB of over 20,000 titles.

Technical Skills

Languages: JavaScript (ES6+), Python, Java, SQL, HTML5, CSS3

Frameworks & Libraries: React.js, Node.js, Express.js, Redux, Vite, Tailwind CSS, SASS, Bootstrap

Databases: PostgreSQL, MySQL, DynamoDB

Cloud & DevOps: AWS (Lambda, S3, RDS, EC2, CloudFormation), Serverless Architecture, Docker, CI/CD (GitLab), Jest, Postman

Tools & Methodologies: Git, GitHub, Agile/Scrum, REST API Design, OOP, VS Code, OpenAPI (Swagger), Lighthouse, GitHub Copilot, Cursor.

Certifications

AWS Certified Solutions Architect – Associate (SAA-C03)