

Prem Goswami

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PROFESSIONAL PROFILE

Full Stack Software Engineer with nearly 5 years of expertise in building full-stack applications using React.js, Node.js, PostgreSQL, and AWS. Scaled fintech, logistics, and insurance applications reducing processing times by 30–70% and accelerating delivery of 15+ features in six months. AWS Certified Solutions Architect recognized for mentoring teams, improving engineering best practices, and driving automation that boosts performance, reliability, and customer experience. Adaptable engineer with cross-industry expertise, consistently delivering under tight deadlines.

PROFESSIONAL EXPERIENCE

Broadridge Financial Solutions

07/2022 – 09/2023

Software Engineer

- Spearheaded design and development of 20+ scalable REST APIs using Node.js, Express, and PostgreSQL, improving data retrieval efficiency by 35% and enabling real-time processing for mission-critical financial applications.
- Implemented microservices architecture and reusable API components, reducing development bottlenecks and accelerating feature rollout by 30%, supporting the launch of 15+ new product features in six months.
- Developed automated backend processes using cron jobs and validated APIs using Postman, reducing manual intervention and ensuring efficient, timely execution of recurring tasks.
- Partnered with QA, DevOps, and security teams to ensure 99.9% system uptime and on-time release delivery while eliminating critical vulnerabilities.
- Mentored and onboarded developers through structured knowledge-sharing and code reviews, boosting team productivity and improving overall code quality.
- Delivered features in a fast-paced Scrum environment, participating in bi-weekly client feature reviews to demonstrate progress, gather feedback, and ensure alignment with business requirements.
- Designed and secured APIs using JWT-based authentication and role-based access control, ensuring compliance with security best practices and safeguarding sensitive financial data.
- Authored and maintained API documentation using OpenAPI (Swagger), reducing support requests and accelerating onboarding of new engineers.

Dell EMC Corporation

03/2020 – 04/2022

Software Engineer

- Led end-to-end front-end development of multiple portals using React.js, Bootstrap, and jQuery, delivering responsive UI compatible across mobile and desktop while reducing delivery time by 25%.
- Engineered CI/CD pipelines for full-stack deployments using GitLab and automated testing, reducing deployment errors by 25% while accelerating feature delivery.
- Integrated backend APIs with secure JWT-based authentication and role-based access control, enabling users to access only authorized features, improving security and efficiency while reducing manual processing by 70%.
- Integrated AWS services (S3, Lambda, RDS) to automate document storage, notifications, and database management, cutting manual processing by 40% and enabling scalable cloud deployments.
- Developed interactive UI components and animations using React and GSAP, enhancing user experience and engagement.
- Implemented front-end unit and integration tests using Jest and React Testing Library, improving release reliability and reducing production bugs.

HDFC ERGO General Insurance

01/2019 – 02/2020

Full Stack Developer - Insurance Workflow & Claims Automation Systems

- Led end-to-end front-end development of a dynamic Policy Management System using React.js, Redux, and Tailwind/SASS, delivering interactive dashboards that improved cross-device UX and reduced manual policy lookup time by 35%.
- Implemented AJAX-driven dynamic content updates and web services, enabling interactive web applications and boosting user engagement by 20%.
- Crafted and refined over 100+ complex SQL queries to streamline risk assessment processes, resulting in a 40% improvement in data accuracy and a 30% reduction in processing times.
- Developed web services and JSON-based endpoints for multi-step insurance workflows, enabling seamless integration with legacy systems and third-party tools.
- Optimized UI performance using lazy loading, code splitting, caching strategies, and debouncing, achieving 30% faster portal responsiveness.
- Authored and maintained front-end documentation and reusable component libraries, enabling faster onboarding and consistent UI standards across teams.
- Developed unit and integration tests using Jest and React Testing Library, increasing release reliability and minimizing production issues.
- Created interactive visualization tools for risk assessment and claims tracking, enabling business teams to make faster, data-driven decisions.

TECHNICAL & CORE COMPETENCIES

Front-End Development: React.js, Redux, Tailwind/SASS, Bootstrap, HTML5, CSS3, JavaScript, AJAX, Responsive UI, Interactive Dashboards, Front-End Architecture

Back-End & Full-Stack: Node.js, Python, Java, REST API Design, JSON Web Services, PostgreSQL, MySQL, DynamoDB, Microservices Architecture, Database Optimization

Cloud & DevOps: AWS (Lambda, S3, RDS, EC2, CloudFormation), Serverless Deployment, Docker, GitLab CI/CD, Automated Testing (Jest, Postman), Performance Optimization

Software Engineering Practices: Agile & Scrum, CI/CD Automation, Role-Based Authentication & Security, Cross-Functional Collaboration, Object-Oriented Programming (OOP)

Tools & Platforms: VS Code, GitHub, Postman, Chrome DevTools, Lighthouse, Swagger/OpenAPI

KEY-PROJECTS

Patching Portal

- Developed interactive dashboards for scheduling and monitoring asset patching, reducing manual effort by 40%.
- Built middleware APIs to extract and integrate legacy system data, optimized backend queries for scalability, and implemented secure JWT-based authentication with role-based access control. Tech stack: React.js, Node.js, PostgreSQL, REST APIs, cron jobs.

NRI Services Portal

- Led front-end development with React.js/Redux and Tailwind, implementing dynamic dashboards and interactive UI components to improve user engagement.
- Integrated backend APIs (Node.js, PostgreSQL, JSON web services) for real-time document uploads, verification workflows, and agent-customer communication, reducing manual processing by 50%.

EDUCATION

Master's in Information Systems and Technology

01/2024 – 12/2025

University of North Texas, Expected Graduation: December 2025 | **GPA: 3.9/4.0**

CERTIFICATION

AWS Certified Solutions Architect – Associate (SAA-C03) – Amazon Web Services