

ANURAG BANERJEE

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- **Experienced Software Engineer** with **5+ years** architecting **enterprise-grade distributed systems** across **fintech**, and **ed-tech**, specializing in **scalable backend platforms**, **cloud-native infrastructure**, and **cross-border product launches**.
- Proficient in **Java/Spring Boot microservices**, **cloud services**, and **data & messaging architecture** (SQL, NoSQL, Kafka); with a proven track record in **performance optimization**, **observability**, and **AI-augmented engineering workflows**.

PROFESSIONAL EXPERIENCE

PayPal 01/2025 – Present

Software Engineer 2

- Shipped credit products across 8 countries (France, Italy, Spain, UK, Canada, Austria, Germany, Australia) by designing product nodes, eligibility rules, and API specifications, expanding PayPal's international Buy Now, Pay Later (BNPL) offerings
- Delivered the UK Merchant Term Loan lending backend within the Credit Offers Service (persistence layer, evaluation orchestrator, and database schema), enabling a product targeting \$313M in first-year revenue
- Built Claude Code-powered AI workflows that automate credit product onboarding by generating product nodes, variants, and eligibility policies end-to-end, accelerating 3+ international launches (Austria Pay Monthly, UK Pi30, Germany Amazon BNPL)
- Automated daily operational health reporting for microservices by developing an AI-assisted scripting workflow to aggregate Datadog, Harness, and SonarQube metrics into a custom dashboard for Product and Engineering leadership, eliminating manual reporting overhead

Startup Peel via ASU EPICS 06/2024 – 01/2025

Software Engineer

- Architected a full-stack pharmacy management system using Spring Boot for RESTful APIs and React for the frontend, implementing Spring Security with JWT authentication to ensure secure, scalable access
- Developed comprehensive features, including prescription tracking, medication reminders, adverse reaction reporting, and caregiver access, with emphasis on real-time notifications and secure healthcare data handling

SplashLearn 05/2020 – 07/2022

Software Engineer 2

- Optimized the SplashLearn web application, enhancing performance for 40M+ users across 150+ countries, boosting adoption to 1 in 3 US schools
- Spearheaded backend development for 4 essential services (exploratory games, rewards, catalog, and checkout), reducing testing time by 50% with comprehensive unit and integration tests
- Transformed a monolithic Ruby on Rails app into a Spring Boot microservices architecture, reducing deployment time by 83%
- Revamped the A/B test framework, granting product management enhanced control over testing rules and weightage, saving 50+ development hours monthly
- Resolved urgent production issues and optimized poorly performing APIs, reducing response times by 70%

UnitedHealth Group (Optum) 07/2018 – 05/2020

Software Engineer

- Enabled Health Savings Account (HSA) access for 100,000+ Disney employees by integrating Disney as an employer in Optum Bank, using a Ruby/Rack application with Vue.js (web layer) and Spring (application layer)
- Implemented MSA functionality and added 2 more investment options for Optum Bank users by integrating Schwab and Betterment
- Addressed security needs by implementing JWT-based authentication for RESTful web services, ensuring robust protection across the Ruby and Spring-based system

TECHNICAL SKILLS

- **Languages:** Java (17/21), Python, C++, Ruby, JavaScript, SQL
- **Frameworks & Web:** Spring Boot, Spring Security, Hibernate/JPA, Ruby on Rails, React, Vue.js, REST, GraphQL, SOAP, JUnit 5, Mockito, HTML, CSS
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, API Gateway, CloudWatch), Docker, Jenkins, Harness, CI/CD, Git, GitHub, Linux
- **Data & Messaging:** PostgreSQL, MySQL, MongoDB, Redis, Kafka, Elasticsearch
- **AI-Augmented Engineering:** Agentic coding (Claude Code), MCP (Model Context Protocol) integrations, LLM-powered code generation, AI-driven workflows and task automation
- **Practices & Tooling:** System Design, Microservices, Distributed Systems, Design Patterns, Multithreading, Observability & Monitoring (Datadog, Splunk, CloudWatch), SonarQube, Agile/Scrum, Code Review

EDUCATION

Arizona State University | M.S. Computer Science, GPA: 4.0/4.0

Tempe, AZ | 08/2022 – 05/2024

Birla Institute of Technology, Mesra | B.E. Information Technology, GPA: 7.82/10

Ranchi, India | 07/2014 – 05/2018