

Devvrat Patel

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SUMMARY

Software Engineer with 5+ years of experience designing and delivering high-scale distributed systems. Led cross-functional teams to deliver features impacting 2MM+ active subscribers and driving **\$10MM+ in annualized revenue**. Expertise in system design, API development, and end-to-end feature ownership from architecture through production monitoring.

EXPERIENCE

Amazon

Software Engineer II

Technical Leadership & System Design

New York, NY

May 2022 – Present

- Architected and led the Interstitial Upsell system across 7+ microservices, increasing subscriber acquisition from 11K to 181K/month (+**1,545%**) with a 10% conversion rate.
- Designed end-to-end architecture for Enhanced Grocery Subscription Landing Page, integrating dynamic frameworks and coordinating 3 engineering teams to enable seamless content delivery.
- Led architecture redesign of Amazon Physical Location Finder (APLF) after inheriting undocumented codebase, establishing AWS infrastructure, auth integration, and monitoring systems.

Execution & Business Impact

- Drove FTC Double Opt-In compliance project, creating system design and leading 2 engineers through implementation while serving as away-team contributor to maintain legal deadlines.
- Delivered Store Finder feature driving **\$10.7MM combined annualized revenue** impact across Pickup and Delivery channels for Non-Prime customers.
- Automated Paid Search ad campaign workflow for US/UK markets using AWS and Google Ads API, reducing manual team effort by 80% (16+ hours/month).
- Mentored interns through full project lifecycles from high-level design through stakeholder approvals, resulting in successful demo delivery and full-time hiring conversions.

Pacific Gas and Electric Company

Software Engineer

Remote

Aug 2020 – Apr 2022

- Developed ESRI GIS mapping applications using React.js and Bootstrap for first responder spatial data visualization, ensuring 99.9% uptime for critical location services.
- Integrated Google Maps and Esri APIs for real-time geographic data representation and spatial analysis.
- Designed a reusable UI component library using OOP principles, ensuring consistency across utility-scale mapping applications and reducing future development time by 30%.

PROJECTS

Grocery Subscription Interstitial Upsell | *Java, React, REST APIs, A/B Testing*

- Evaluated 3 architectural approaches to balance technical debt and timeline; built eligibility API integration and experimentation framework to drive conversion from 0.3% to 10%.

Enhanced Grocery Subscription Landing Page | *Java, React Widgets*

- Led architecture redesign integrating dynamic content framework; coordinated with partner teams for brand/store widgets and established Graphical funnels for experiment measurement.

TECHNICAL SKILLS

Languages/Frameworks: Java, Python, JavaScript, TypeScript, SQL; Spring Boot, React.js, Hibernate, J2EE

Cloud & Infrastructure: AWS (S3, DynamoDB, Lambda, CloudWatch, SQS, SNS), HEX AWS, Cloud Auth

Architecture & Tools: Microservices, System Design, Distributed Systems, Docker, Git, CI/CD, Weblab A/B Testing

Practices: Event-Driven Design, A/B Testing, Agile/Scrum, Technical Documentation, Unit/Integration Testing

EDUCATION

Rutgers University

B.E. Computer Engineering and Computer Science

New Brunswick, NJ

Sept 2016 – May 2020