

PURAB SHAH

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SUMMARY

Senior Software Engineer with 6+ years of experience building scalable web applications in healthcare. Expert in Ruby on Rails, React, Python, and AWS. Proven track record leading cross-team initiatives, optimizing CI/CD pipelines, and delivering secure, high-impact systems including custom ETL and analytics platforms.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, React, Ruby, Ruby on Rails, Python, Django, SQL

Databases & DevOps: PostgreSQL, MySQL, AWS (EC2, S3, RDS), Docker, GitHub Actions, Travis CI, Ansible

Tools & Practices: Agile/Scrum, CI/CD, TDD, ETL pipelines

Collaboration & Leadership: Technical mentoring, Project ownership, Cross-functional teamwork

WORK EXPERIENCE

Medidata Solutions (Dassault Systèmes)

Senior Applications Engineer

April 2023 – Aug 2025

- Architected, built, and deployed a MySQL ETL pipeline to support analytics in Logi, leading to 300+ customer adoptions for Medidata's analytics platform. Improved data freshness 50x from 1 hour delay to near real-time.
- Partnered with DevOps to consolidate CI/CD by migrating from Travis CI and GoCD to GitHub Actions, reducing build times by 45% and cutting CI costs.
- Served as lead engineer for multiple cross-team quarterly releases, including the MySQL ETL deployment above, shaping and stabilizing the release process across 5+ environments with zero downtime.
- Led upgrades to core technologies including React and Ruby on Rails, improving performance, maintainability, and security posture.
- Served as on-call engineer for a high-availability enterprise platform and deploying hotfixes for production incidents.
- Participated in architecture reviews and mentored junior engineers on debugging, testing, and release processes.

Applications Engineer

May 2020 – April 2023

- Built and shipped 20+ features for a high-traffic IRT/RTSM platform using Ruby on Rails and React, enabling clinical trial workflows for major pharma sponsors.
- Designed and launched a configurable email alert system based on user roles, now adopted in 100+ active studies.
- Reduced technical debt by over 10% by upgrading frontend tooling, test frameworks, and CI/CD pipelines.
- Created Ruby and Bash scripts to resolve complex Tier-3 issues, reducing recurring support tickets by 15%.
- Collaborated with product and QA in an Agile/Waterfall environment to deliver scalable, user-focused solutions.

Hybrid Healthcare Communications, Full Stack Developer

Aug 2019 – Jan 2020

- Built and deployed a RESTful API for a healthcare sales training platform for web and mobile clients using Ruby on Rails, PostgreSQL, and S3.
- Developed an internal admin dashboard in Angular with Bootstrap, enabling non-technical users to manage client content and permissions.

App Academy, Software Engineering Associate

Feb 2019 – May 2019

- Mentored 75+ students in JavaScript, React, Ruby on Rails, and SQL, providing feedback on 100+ full-stack projects.
- Conducted 50+ mock technical interviews focused on algorithms, data structures, and SQL.
- Created and maintained internal technical docs to support curriculum and engineering best practices.

EDUCATION

App Academy

Sept 2018 – Dec 2018

Completed 1,000+ hours of hands-on training in JavaScript, React, Ruby on Rails and SQL.

Rutgers University, School of Engineering (SoE)

Piscataway, NJ

B.S. Program in Electrical & Computer Engineering

Completed coursework, 132 credits

Completed extensive coursework in computer architecture, signal processing, and digital logic.