

Siddhant Shah

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Summary —

Full-stack engineer with ~3 years delivering cloud-native web apps across **React/Next.js** frontends and **Python/FastAPI, Java/Spring Boot** backends.

Designs APIs and data models; builds CI/CD and production **observability**; ships to **AWS** and **Azure Functions/VMs/MSSQL/Redis**.

Pragmatic collaborator focused on code quality, performance, and incremental product delivery with product/data partners.

Skills

Frontend React, Next.js, NextAuth, Redux, TypeScript, HTML, CSS, Responsive UI

Backend FastAPI (Python), Spring Boot (Java), Node.js/Express, REST APIs

Databases SQL, Azure MSSQL, MongoDB, Redis, Data Modeling

Cloud Azure (Functions, VMs, Pipelines, MSSQL, Redis, Databricks); AWS (Lambda, EC2, S3,

SageMaker, CodePipeline); Vercel

DevOps CI/CD, Terraform, Docker, Prometheus, Grafana, k6

Languages TypeScript, JavaScript, Python, Java, SQL, Bash, C++, R, YAML

Testing Pytest, Selenium, JUnit, Mockito

Data/BI Power BI, Tableau, Pandas, NumPy, MLflow

Experience

TERVA Corporation (0→1 Startup)

Aug 2023–Present

Software Engineer II

- Built an end-to-end **Next.js (React)** + **FastAPI** platform on Azure with RBAC, CI/CD, and secure reporting for 30+ teams; first dev hire owning feature delivery and releases.
- Developed REST microservices with **Spring Boot (Java)** integrating Azure MSSQL & Redis; improved backend performance by **15%**.
- Owned code quality and releases via automated testing and CI/CD; reduced deployment time by **40%**.
- Implemented **observability** (Prometheus + Grafana) and supported on-call; cut mean time to resolve by **40%**.
- Automated report-generation pipelines in Python, reducing manual workload by **70%**.

KeelWorks Foundation

Jun 2023–Jun 2024

Full Stack Developer (Part-time) & Machine Learning Engineer (Seasonal)

- Delivered web features end-to-end and contributed Python/NLP components for content workflows; collaborated async across design and data teams. (*Part-time/Seasonal*)

Northeastern University — Information Technology Services

Sep 2022–Jul 2023

Digital Experience Assistant

- Improved front-end UX and accessibility on university apps; shipped iterations informed by user research and testing.

SS&C Intralinks

Oct 2022–Dec 2022

Software Engineer Co-op

- Authored documentation and unit tests for 30+ React components; uncovered and fixed 5 critical bugs; contributed Redux patterns in a large codebase.

Northeastern University — Khoury College of Computer Sciences

Aug 2021–May 2022

Teaching Assistant (AI & Systems)

- Supported Foundations of AI under Prof. Prasad Saripalli and coordinated assistance for ~200 students in Computer Systems.

Globant

Dec 2020–Aug 2021

Associate Software & Data Engineer

- Built Python + **SQL (MSSQL)** ETL feeding Power BI, saving 500+ hours of manual reporting.
- Optimized PySpark jobs on Azure Databricks, cutting processing time by **45%**.
- Contributed to global ServiceNow unification across 5 regions, reducing redundancy by **73%**.

Visava Labs (0→1 Startup)

Jun 2018–Jun 2020

Machine Learning Engineer (R&D)

- Delivered cloud-deployed AI features with millisecond-level inference and scale to 1,000+ generated variants per run.
- Partnered with product/design on mobile-first prototypes emphasizing latency and secure onboarding.

Education

Northeastern University

M.S., Computer Science (AI & ML minors)

Pune University

B.E., Computer Engineering (Networks & ML minors)

Certifications

- **Microsoft Certified: Azure Fundamentals (AZ-900)** — Issued May 2025 — Cred. ID: BE4C58676C23A2B8
- **Microsoft Certified: Azure AI Fundamentals (AI-900)** — Issued May 2025 — Cred. ID: 79FC017ACC7277DD

Projects

- **Tribe** — social platform for intimate groups (calendar, feed, tasks, expenses). *React, Redux, Node.js, Express, MongoDB*. [Link](#)
- **Pokemon MCP Server** — Model Context Protocol server simulating Pokémon battles; built for AI agent integrations. *Node.js*. [Link](#)
- Full-stack churn prediction app with LSTM backend (85% accuracy). [Link](#)
- Parallelized EMG analysis pipeline with PySpark ($3\times$ speedup). [Link](#)
- NLP summarization & topic modeling with LDA & NMF. [Link](#)

Open Source & Community

- Contributor/participant in community discussions for Next.js, shadcn/ui, Azure Functions; active GitHub profile with 50+ repos.
- Volunteer: Open Data Science Conference (ODSC).