

SOHAM R. BHAGAT

New York Metropolitan Area

🏠 Work authorized

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Education

Rutgers University

Bachelor of Science in Electrical and Computer Engineering

May 2029

New Brunswick, NJ

Experience

Rutgers Open System Solutions

January 2026 – Present

Software Engineer

New Brunswick, NJ

- Built and maintained features for **go.rutgers.edu**, Rutgers' URL-shortening service with **5,700+ users**, **150,000+ links**, and **41M+ visits**, including link, organization, analytics, and cross-service workflows.
- Merged **75+ GitLab MRs** across Rutgers OSS repositories after implementation, CI validation, and code review.
- Co-architected and implemented **who.rutgers.edu**, Rutgers' Linktree platform, working across API design, business logic, MongoDB data modeling, authentication, organization/admin workflows, testing, deployment, and documentation.
- Helped design and complete the **Go API integration** for Who, supporting organization and link creation/imports while aligning ownership, analytics, and behavior across services.
- Copied and verified **77,590,548 MongoDB documents across 16 collections** for Go UAT (User Acceptance Testing), with **zero restore failures**.
- Built and deployed Who and Excalidraw to **OpenShift** and prepared Go UAT deployment with **Kustomize and Argo CD**; configured Deployments, StatefulSets, Services, Routes, PVCs, CAS/LDAP, CI pipelines, and environment overlays.

Astatide

August 2026 – Present

Independent Infrastructure & Platform Engineer

New Jersey

- Design and operate a **two-node production Kubernetes (k3s) platform** spanning a cloud VPS and homelab; manage infrastructure with **Terraform and Ansible** and deploy applications through GitOps and Argo CD.
- Own Kubernetes observability and incident response with **Grafana Alloy and Grafana Cloud**; separate node and cluster collectors reduce retained kube-state-metrics series from **11,990 to 459 (96.2%)** and eliminate duplicate metrics, logs, and events.
- Build and maintain CI/CD for Kubernetes applications with **GitHub Actions, GHCR, Kustomize, and Argo CD**, promoting immutable images through preview and production with health checks and rollback paths.
- Manage **Cloudflare infrastructure for 10 public and private hostnames across 2 tunnels**, using Access, DNS, TLS, Workers, KV, an MCP server portal, and an R2-backed CDN while keeping Kubernetes services off direct public IPs.

Projects

Jobmark | *Next.js, TypeScript, Prisma, PostgreSQL, MCP*

January 2026 – Present

jobmark.astatide.com

- Build and operate a **full-stack career platform** that turns structured work records into weekly updates, performance-review drafts, promotion summaries, and professional outreach.
- Model accomplishments, projects, goals, metrics, contacts, and interactions with **PostgreSQL, Prisma, and Auth.js**; enforce user-scoped access and secure data export and deletion while isolating preview and production across separate Kubernetes environments and Neon database branches.
- Expose **50+ product operations** to Claude, ChatGPT, Gemini, and other assistants through **Streamable HTTP MCP**, backed by a custom **OAuth 2.1 provider with PKCE**, scoped tokens, rate limiting, and idempotent writes.

Technical Skills

Languages: Python, Go, TypeScript, JavaScript, Bash, HTML, CSS, Java, Dart

Frameworks: React, Next.js, Vite, React Native, Node.js, Flutter, Flask, FastAPI, Sanic

Cloud & Infrastructure: AWS (S3, EC2), Google Cloud, Azure, Cloudflare, Terraform, Ansible, Docker, Kubernetes, OpenShift, Helm, Kustomize, Linux

Delivery & Observability: CI/CD, GitOps, GitHub Actions, GitLab CI, Argo CD, Prometheus, Grafana

Data & Security: PostgreSQL, MongoDB, Firebase, Redis, REST APIs, CAS, LDAP, Shibboleth, RBAC

Tools: Git, Tailwind CSS, Postman, MATLAB