

Mayank Thakur

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WORK EXPERIENCE

- **Akamai Technologies** Bangalore, India (Remote)
Apr 2025 - Present
 - Senior II Software Engineer*
 - Developed a **SCIM client** for user life-cycle management for a Tactical **Zero Trust Access product** for the US Army
 - Designed and developed the config deployment system for a disconnected on-prem Zero Trust Access solution
 - Took ownership of the Agile process as Scrum Master; led sprints, ceremonies, and releases, hiring efforts etc.
 - Senior Software Engineer* Dec 2023 - Mar 2025
 - Designed and developed the capability to rotate multiple secrets, certificates and keys throughout the system.
 - Integrated **OIDC-based SSO** into the internal Operations Portal.
 - Developed and maintained **control path microservices** which achieved **FedRAMP** moderate and high compliance.
 - *Tech Stack: Go, Python, Django, Celery, PostgreSQL, Redis, RMQ, Kubernetes*
- **Supertokens** Mumbai, India (Remote)
Sep 2023 - Dec 2023
 - Backend Engineer*
 - Developed production-grade **REST APIs** and cron jobs in SaaS backend (Node.js).
 - Maintained and improved open-source Python and Go SDKs.
 - *Tech Stack: Go, Python, MySQL, NodeJS*
- **Pronto** Bangalore, India (Remote)
Apr 2022 - Sep 2023
 - Senior Software Engineer*
 - Designed and shipped Pronto's **Identity Provider with OAuth, SAML**, and MFA support.
 - Implemented authentication using SAML on custom domains.
 - Improved logging, tracing, and overall **system's observability**.
 - Hardened Kubernetes security by enabling mTLS with a service mesh.
 - *Tech Stack: Go, Python, FastAPI, Celery, PostgreSQL, Kubernetes*
- **Akamai Technologies** Bangalore, India (Remote)
Nov 2021 - Apr 2022
 - Software Engineer II*
 - Developed a fully **RFC compliant SCIM server** in Go for Okta and Azure AD integration.
 - Enabled secure service access to **RDS via AWS IAM** role-based auth.
 - Software Engineer* Jan 2020 - Oct 2021
 - Boosted test coverage with robust Python **unittests** across backend services.
 - Developed backend APIs in django and worked on customer bug fixes
 - *Tech Stack: Go, Python, Django, Celery, PostgreSQL, Redis*

EDUCATION

- **The University of Texas at Austin** Remote
2022 – 2025
 - Master of Science - Computer Science*
- **PES University, Bangalore** Bangalore, India
2016 – 2020
 - Bachelor of Technology - Computer Science*

TECHNICAL SKILLS

- **Languages:** Python, Go, SQL, Javascript
- **Frameworks:** Django, DRF, FastAPI, Celery, Chi, Mux, pgx
- **Technologies:** AWS, Redis, PostgreSQL, Kubernetes, Docker
- **Expertise:** REST APIs, Microservices, Authentication/Authorization, Cryptography, Unit testing, Identity and Access Management, Distributed Systems, System Design, Code Reviews

INTERESTS

I enjoy and participate in a lot of sports, from racing marathons and Ironman triathlons to adventure sports like paragliding, scuba diving, rock climbing, and climbing big mountains in the Himalayas.