Mayank Thakur

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WORK EXPERIENCE

Akamai Technologies — Bangalore, India (Remote)
Senior II Software Engineer — *Apr 2025 - Present*
- Built and maintained control path components for FedRAMP compliance in the Zero Trust product.
- Took ownership of the Agile process as Scrum Master; led sprints, ceremonies, and release cycles.
- Mentored junior engineers and led hiring efforts.

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.
- *Tech Stack: Go, Python, Django, Celery, PostgreSQL, Redis, RMQ, Kubernetes*

Supertokens — Mumbai, India (Remote)
Backend Engineer — *Sep 2023 - Dec 2023*
- Developed production-grade 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)
Senior Software Engineer — *Apr 2022 - Sep 2023*
- Designed and shipped Pronto's Identity Provider with OAuth, SAML, and MFA support.
- Implemented custom domain support for SAML authentication.
- Improved logging, tracing, and overall system observability.
- Hardened Kubernetes security by enabling mTLS with a service mesh.
- *Tech Stack: Go, Python, FastAPI, Celery, PostgreSQL, Kubernetes*

Akamai Technologies — Bangalore, India (Remote)
Software Engineer II — *Nov 2021 - Apr 2022*
- 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
Master of Science - Computer Science — *2022 – 2025*

PES University, Bangalore — Bangalore, India
Bachelor of Technology - Computer Science — *2016 – 2020*

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.