

NEIL MAHAJAN

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WORK EXPERIENCE

Software Engineer 2 at NetApp – RTP (Research Triangle Park), NC Aug 2025 to Present
Backend engineer on NetApp Console's storage inventory service: **Go** microservices on **Kubernetes**.

- Led the design of the pipeline that ingests **ONTAP** cluster telemetry from **NetApp Harvest** into Console (**VictoriaMetrics Remote Write**, **protobuf**, **MongoDB**) and built its processing framework and core ingestion.
- Designed and implemented a **MetricsQL**-based query **API**; scale-tested and optimized it.
- Built migration automation with SRE that moved **200+ federations** into NetApp Console; built the job that runs credential-expiry notifications, plus lifecycle safeguards for the Federation service.
- Improved reliability and observability (**Prometheus** latency histograms, cache metrics, timeout fixes) and built a **Ginkgo**-based API test automation framework.
- Designing and building backend services for a new NetApp Console capability.
- **Scrum Master** since Dec 2025: sprint planning, retrospectives, and sprint and milestone demos to stakeholders; campus recruiter at the UNC career fair (Sept 2026).

Solutions Engineer / (System) Analyst I at Arizona Public Service – Phoenix, AZ May 2025 to Aug 2025
Designed and deployed cloud and enterprise application solutions with cross-functional teams; built **Python** and **PowerShell** automation to resolve production issues and streamline workflows.

Information Technology Intern at Arizona Public Service – Phoenix, AZ May 2023 to May 2025
Improved safety for **600+ line workers** by optimizing ArcGIS processes, adding four attributes to a **1.6M-entry** table via 10 **Python**, **SQL**, and Batch scripts.
Automated user management for **500+ employees** between Active Directory and ArcGIS Portals, strengthening security and cutting manual work.

PROJECTS

Watchlist Notify (watchlistnotify.com) Sep 2025 to Present
Built and run a live app that emails users when titles on their watchlist reach the streaming services they subscribe to: **Go** API on **Cloud Run** with scheduled digest jobs, **MongoDB**, and **Redis**-cached TMDb lookups.

SKILLS

- Languages: **Go**, **Python**, **TypeScript**, JavaScript, **SQL**, Bash
- Cloud and infrastructure: **Kubernetes**, **Docker**, Helm, Linux, Jenkins, Git/GitHub
- Data and observability: **MongoDB**, **VictoriaMetrics**, **Prometheus**, RabbitMQ, Grafana, Dynatrace
- Practices: REST API design, Ginkgo testing, CI/CD, Scrum

EDUCATION

Arizona State University (Barrett, The Honors College) – Tempe, AZ Aug 2022 to May 2025
BS in Computer Science, **magna cum laude** with honors, completed in **3 years** while interning year-round; GPA 3.7; Dean's List (x5).