

# NISARGA MADHAV

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## EDUCATION

### Northwestern University

Master of Engineering Management, 3.9/4

Evanston, IL

Sept 2024 - May 2025

### PES University

Bachelor of Engineering, Computer Science, 9.2/10

Bangalore, India

Jul 2012 - Jul 2016

## WORK EXPERIENCE

### Komprise

Senior Software Engineer - Tech Lead

Jul 2022 - Sept 2024

- Led a team of 5 engineers and drove projects around the patented *Transparent Move Technology™* that archives cold data to cheaper storages without disrupting users, contributing to **massive savings in storage costs for customers**.
- Spearheaded efforts to efficiently migrate **100s of petabytes** of data to Amazon Web Services(AWS) S3 through seamless integration of AWS Snowball Edge devices into Komprise's platform, contributing not only to **multifold performance gains** but also to **strengthening partnership** with AWS.
- Led a team of 3 to extend deep analytics engine and develop *Deep Analytics Actions*, enabling actions on granular data. This evolved into *Smart Data Workflows*, driving customer upsell, expansion, and **tremendous revenue growth**.
- Developed *Komprise Hypertransfer*, which **accelerated data transfer to cloud** by creating virtual channels to speed up problematic SMB data migrations **across WAN by 25x**.
- Rearchitected product to scale its data transfer capabilities from **1 target to 10s of targets**.
- Enhanced communication between *Komprise Cloud File System*, a file system interface, and cloud to handle long-running operations and **reduce data inconsistencies** on cloud storage.

Software Engineer

May 2020 - Jul 2022

- Redesigned and implemented a **secure, scalable multi-tenant** credential management system using AWS Key Management, ensuring compliance with customer security requirements and migrating existing customers.
- Optimized search performance of the *Global File Index* by refining Elasticsearch queries, achieving a **5% improvement**.
- Extended data management capabilities from on-premises storage to cloud platforms including AWS S3, Azure Blob, Wasabi, and Pure.
- Improved file system crawler performance by **22%** by introducing an alternate, unordered crawling method, optimizing processes for analyzing, archiving, restoring, and migrating petabytes of data.
- Resolved customer escalations and delivered timely hotfixes to **ensure customer satisfaction**.
- Mentored **over 20 new hires**, ensured high-quality standards through detailed design and code reviews and conducted **200+ interviews** to build top-performing teams.

### Capillary Technologies

Software Development Engineer II

Oct 2019 - May 2020

- Implemented features like multi-program enrollment, API-based points and tier imports, event field support, and trigger-based points conversion on the *Capillary Intelligent Loyalty platform*, handling **thousands of requests per second** and enabling the onboarding of *Tata*, Capillary's largest customer.

### Akamai Technologies

Software Engineer II

Jun 2018 - Oct 2019

- Developed business-critical applications, automating sales, onboarding, and billing processes, accelerating production deployment by **25%**.
- Mentored 5 new hires and conducted 50+ interviews.

Software Engineer

Jun 2016 - Jun 2018

- Introduced *Akamai Helpdesk Console*, which resulted in an average reduction of **~10 minutes** in the resolution time of service requests. Received recognition for it.

### Aruba Networks

Software Development Engineering Intern

Jan 2016 - Jun 2016

- Built several command line interfaces (CLIs) to diagnose the newly built *7280 Milagro*, an *ArubaOS* controller platform.

## SKILLS

Languages:	Java, Python
Tools and Technologies:	Linux, Elasticsearch, Kubernetes, Docker, SQL, NoSQL, Spring, AWS, Microservices Kafka, Redis, Git, REST, OAuth, Maven, Salesforce, Spring, Jenkins, JIRA, OOP, Django, Grafana
Industry Knowledge:	Technical Leadership, System design, Cross-functional Team Leadership, Agile