

# Sid Shukla

PRIVATE CLOUD, KUBERNETES & AI INFRASTRUCTURE

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## Experience

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### Nutanix Inc.

Berlin, Germany

STAFF ENGINEER

Jan 2020 - to date

- Sole Staff Engineer across NKP India teams, acting as cross-team technical authority
- Led resiliency architecture for NKP, driving high-availability, disaster recovery, failure-domain awareness, and lifecycle robustness
- Drove architectural work for a strategic AI infrastructure initiative, focusing on enterprise readiness for large-scale AI workloads
- Modernized Kubernetes cluster lifecycle on Nutanix AHV by rebuilding on open-source foundations leveraging Cluster API
- Enabled first-class platform support for Red Hat OpenShift and AWS EKS-A, unlocking multiple 7-8 figure ARR enterprise deals
- Built shared internal developer infrastructure across cloud-native teams, enabling reliable parallel execution
- Designed and built an open-source data connector framework that enabled field to ship net new data connectors in hours instead of months
- Graduated from Nutanix's Future Leaders Program: Highly-selective program run by top management for leadership development of top ICs

### Uber Technologies Inc.

Aarhus, Denmark

SOFTWARE ENGINEER II

Feb 2017 - Nov 2019

- Incident Commander on Ring0 (Uber's emergency incident response team): Built and trained the squad to mitigate most severe outages
- Built out various parts of Schemaless (Uber's primary NoSQL datastore) and LedgerStore (Bookkeeping database)
- Built a security framework for highly-available authn, authz, and audit logging enabling security and compliance across microservices
- Built a schema management solution for all operational storage infrastructure enabling GDPR and SOX compliance
- Built Uber's structured data definition and query language (UQL) used by all operational storage technologies solving cross-cutting problems

### Google Inc.

Mountain View, CA / Remote

SUMMER OF CODE @ GRPC

May 2016 - Aug. 2016

- Worked on qualifying Python 3.x support and PyPy support for GRPC Python - A python library for a high performance RPC framework

### Large-Scale Scientific Information Systems Group - Jacobs University

Bremen, Germany

RESEARCH AND TEACHING ASSISTANT

Sep. 2015 - May 2016

- Built a library to enable data scientists to interface with distributed raster data using NumPy algorithms and Python objects
- Created and graded assignments and examinations, conducted code reviews, ran tutorials, and helped students grasp the coursework

### Dolby Laboratories Inc.

Nuremberg, Germany

SOFTWARE ENGINEERING INTERN

Mar. 2015 - Sep. 2015

- Built a web app enabling devs to visualize build-to-build changes in performance and power metrics of Dolby codecs over a variety of hardware

## Education

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### Jacobs University

Bremen, Germany

B.Sc. IN COMPUTER SCIENCE

- Specialization in Databases, Web Applications, Autonomous Systems, Computer Vision, and Image Processing

### Harvard Business School

Cambridge, Massachusetts

EXECUTIVE EDUCATION

- Focused on strategy and leadership (Uber-sponsored program)

### Product School

Toronto, Canada

PRODUCT MANAGEMENT CERTIFICATE

- Accelerated product management program undertaken to strengthen engineering–product collaboration

## Presentations

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### Building Storage and Deployment Infrastructure @ Uber

Amsterdam, Netherlands

UBER TECHNOLOGY SHOWCASE

June 2019

- Retrospective on building and scaling Uber's storage, configuration, and deployment infrastructure