

# Sid Shukla

SOFTWARE ENGINEER

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“Do, or do not. There is no try.”

## Experience

### Uber Technologies Inc.

Aarhus, DK

SOFTWARE ENGINEER II

Feb 2017 - to date

- Helping build out Uber's in-house distributed ledger database with blockchain properties
- Incident Commander on Uber's emergency incident response team: Ring0
- Built a general-purpose Go security framework for highly-available authentication, authorization and audit logging in services at Uber
- Built out metadata management solutions for operational storage infrastructure at Uber for GDPR and SOX compliance
- Built Uber's structured data definition and query language (UQL) used by all operational storage technologies
- Built out various parts of Schemaless (Uber's primary NoSQL datastore): Server-side schema Support, Querying, and developer tooling

### Google Inc.

Mountain View, CA

SUMMER OF CODE @ GRPC

May 2016 - Aug. 2016

- Added and tested Python 3.x and PyPy support to GRPC Python - A python library for a high performance RPC framework

### Large-Scale Scientific Information Systems Group

Bremen, Germany

UNDERGRADUATE GUIDED RESEARCH ON PYTHON INTEGRATION FOR RASDAMAN

Sep. 2015 - May 2016

- Implemented prototype to translate NumPy algorithms to RasQL queries to be executed on distributed sharded Rasdaman nodes

### Jacobs University

Bremen, Germany

TEACHING ASSISTANT FOR DATABASES AND WEB APPLICATIONS SPECIALIZATION

Sep. 2015 - Jan. 2016

- Created and graded assignments and examinations, conducted code reviews, helped weak students grasp the coursework

### Dolby Laboratories Inc.

Nuremberg, Germany

SOFTWARE ENGINEERING INTERN

Mar. 2015 - Sep. 2015

- Worked on a data visualization heavy web application to visualize performance metrics over a variety of hardware for each commit in a project
- Designed and implemented the architecture for a customizable visualization dashboard using D3.js and Angular.js
- Lead to company wide adoption of the product enabling project managers to keep track of their project growth on a continuous basis

## Education

### Jacobs University

Bremen, Germany

B.Sc. IN COMPUTER SCIENCE

Aug. 2013 - Dec. 2016

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

## Skills

**Programming** Proficient: Python, Go **Experienced:** JavaScript, SQL, Java, Scala, C, C++, PHP, Standard ML

**Tools** Proficient: Git, Vim **Experienced:** Perforce, Vagrant, Docker, Chef, Postgres

**Languages** Native: English, Hindi. **Basic:** German

## Presentations

### Building Storage and Deployment Infrastructure

Amsterdam, Netherlands

UBER TECH DAYS

June 2019

- Presented the growth story of Uber's storage and compute infrastructure being built out at Uber Aarhus.

### Snake Taming 101

Lausanne, Switzerland

LAUZHACK AT ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

Nov 2017

- A tech talk about relatively obscure Python implementation details and how to handle them when you get bit by them

## Honors & Awards

2018 **Finalist**, Lauzhack Fall 2018

Lausanne, Switzerland

2016 **Finalist**, Copenhacks Spring 2016

Copenhagen, Denmark

2015 **Winner**, HackTBILISI Fall 2015

Tbilisi, Georgia