

KOUSHIK KRISHNAN

(111) 111-1111 | my@email.com | koushik.bearblog.dev |
linkedin.com/in/koushikkkrishnan | github.com/koek67

Making software as reliable as the sunrise.

Experience

Microsoft (Senior Software Engineer) *Remote* February 2023 - present

- Building reliability improvements into the storage and replication layers of Cosmos DB.
- Technical lead for a team of engineers, ramping them up on distributed systems and database concepts as well as preparing them for incident response.

Yugabyte (Senior Site Reliability Engineer) *Seattle, Washington* May 2022 - February 2023

- Managed reliable operation of Kubernetes and Yugabyte database clusters across AWS and GCP for the Yugabyte Managed product.

Microsoft (Software Engineer 2, Azure Cosmos DB) *Redmond, Washington* August 2018 - April 2022

- Worked as a technical lead for a petabyte-scale, globally distributed database. Reduced number of production incidents by 80%.
- Founded a team that built a Python microservice that would perform real-time root cause analysis/mitigation of incidents and eliminate the need for an on-call engineer. Open sourced this work on Github as Jupyrest ☑

Microsoft (Software Engineering Intern, Azure Cosmos DB) *Seattle, Washington* May 2017 - August 2017

Fitbit (Software Engineering Intern) *Boston, Massachusetts* May 2016 - August 2016

Kayak.com (Software Engineering Intern) *Concord, Massachusetts* May 2015 - August 2015

Presentations

PyCon 2024 ☑ (Rest East with Jupyter: Deploy notebooks as web services) *Pittsburgh, PA* May 2024

PyTexas ☑ (Rest East with Jupyter) *Austin, TX* April 2024

PyCascades ☑ (Rest East with Jupyter: Deploy notebooks as web services) *Seattle, WA* April 2024

PyOhio 2023 ☑ (Serverless Jupyter Notebook Functions (YouTube) ☑) *Virtual* December 2023

PyData Seattle 2023 ☑ (Notebooks as Serverless Functions (YouTube) ☑) *Seattle, WA* April 2023

Volunteering

ASHA Chennai ☑ (Spoken English Teacher) *Remote* December 2020 - March 2022

- Created a curriculum with story-telling, skits, and friendly debates to provide disadvantaged children isolated in quarantine a fun way to learn spoken English.

Education

Georgia Institute of Technology *Atlanta, Georgia* August 2014 - May 2018
Bachelors of Science in Computer Science and Mathematics

Skills

- Languages: Python, Golang, C/C++, JavaScript, C#, Powershell, Zig
- Tools: Kubernetes, PostgreSQL, Linux, Windows, Azure Service Fabric, Distributed Databases, Storage Engines, Docker