

EDUCATION

University of Colorado Boulder

(May 2023 | USA)

MS, Computer Science

Focus

Advanced Data Structures, Algorithms, Network Systems, Distributed Systems, Deep Learning, Natural Language Processing, Database, Blockchain

SKILLS

(Programming)

Go, NodeJS, TypeScript, Python

(Technologies)

Ansible, Ceph, Git, gRPC, GraphQL, Graylog, HaProxy, HDFS, InfluxDB, Apache Kafka, Kubernetes, Linux, Mesos, MongoDB, MySQL, Presto, Protocol Buffers, PyTorch, Apache Spark, Apache Superset, Test Automation

SPEAKER

EuroPython, July 2016

Guide to make an open source contribution [Slides]

LINKS

- [Codechef:// @tushar_rishav](https://www.codechef.com/users/tushar_rishav)
- [Linkedin:// @gautamtushar](https://www.linkedin.com/in/gautamtushar)
- [Github:// @tushar-rishav](https://github.com/tushar-rishav)
- [Stackoverflow:// @tushar-gautam](https://stackoverflow.com/users/1049442/tushar-gautam)

EXPERIENCE

Anoki Inc | Founding Senior Software Engineer

June 2023 – Present | Mountain View, USA

- Lead developer for Content Search and Recommendation service.
- Lead architect for design and setup of micro-services with high availability, fault-tolerance and monitoring.
- Key tech stack involved: Go, Svelte/SvelteKit, GraphQL, gRPC, Protocol Buffers, Consul, Kubernetes, HaProxy, PrestoDB, MongoDB, MySQL.

PayPal | Software Engineer Intern

May 2022 – August 2022 | New York City, USA

- Migrated a GraphQL backend service boilerplate from JavaScript to TypeScript for strong type-safety.
- Enhanced static type checking for GraphQL resolvers based on Schema-first design philosophy.

LG Ads | Senior Software Engineer

June 2017 - June 2021 | Bangalore, India

- 5x improvement in latency from optimizing business-critical data distribution network (ACR) enabling more granular business insights.
- Improved customer SLAs, as lead architect on key platform infrastructure projects with streamlined debugging, monitoring and deployment of microservices.
- Tech stack involved: HDFS/Ceph and Mesos/Spark for distributed large-scale storage and compute setup, Graylog-based log pipeline, Telegraf/InfluxDB for application metrics collection, Kubernetes for application deployment, HaProxy for high-availability and load-balancing across critical services, and Ansible for infrastructure automation.

Google | Google Summer of Code

April 2016 – August 2016

- Contributed to Coala —static code analysis FOSS—in Python, under Python Software Foundation. Developed "coala-html" application —AngularJS application to display results from Coala, as an interactive web page.
- Incorporated test-driven development with 97% code coverage for AngularJS and 100% for Python codebase, test automation and wrote code documentation as recommended software development practices.
<https://github.com/coala/coala-html>.

OPEN SOURCE PROJECTS

- [Network Systems Final Course Project](#) (Author, 2022) Medium-size scalable distributed system for a real time streaming service with Spanning Tree topology.
- [IGitt](#) and [GitMate](#) (Contributor, 2016) —Contributed bug fixes and new features for ranking bugs in GitMate —an automated code review and issue triaging platform for GitHub projects.