

UTSAV SHAH

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EMPLOYMENT

Software Engineer **Dropbox** **April 2017 - Present**

Application Services Team (March 2020 - Present)

- Responsible for the major monolith service and async platforms; building and operationalizing internal serverless platform to replace existing monolith and improve developer productivity
- Designed and deployed custom auto-scaling system for internal serverless platform that reduced weekly capacity planning toil for tenants and significantly improved availability for batch jobs

Developer Tools Team (April 2017 - March 2020)

- [Enhanced Git](#) for Dropbox to be faster for common local operations like status, diff, and stash
- Designed an automated test health monitoring system that reduced the need for manual intervention to [keep build stable](#) by >90%. Presented results at [International Conference for Software Testing and Verification](#)
- Led multiple successful projects to cut total CI spend by more than 10% via improved test selection algorithms, better cache hit rates via build reproducibility, and batch running test suites. Presented results in a Lightning Talk at [BazelCon 2019](#)
- Improved reliability of internal CI server by optimizing Postgres database use - from biweekly outages in late 2017 to < 5 incidents in 2018

SWE, Tools and Infra Intern **Google** **Summer 2016**

- Migrated a fast Android incremental build system to a client-server model, created a new command line interface, and an Android Studio plugin that were clients to the build system server

Software Engineering Intern **NextCapital** **Summer 2015**

- Developed multiple front end features, including the sidebar for all form factors, for the NextCapital consumer facing website

EDUCATION

Champaign, Illinois **University of Illinois Urbana Champaign** **August 2013 – December 2016**

- B.S. in Computer Science
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Computer Architecture; UI Design; Natural Language Processing; Probability and Statistics in Computer Science

TECHNICAL EXPERIENCE

Projects

Ghoda (2018-2019)

- Built a bot that automatically places bets on horse races with ML

Flare (2014)

- Built an app to report pictures, location data and text of accidents that would notify people in the area
- Won the Grand Prize (\$10,000) of the Ford online application challenge, and [submission was presented at Consumer Electronics Show \(CES\) 2015 by the CEO of Ford](#)

LANGUAGES AND TECHNOLOGIES

Go, Python, Java, C#, Javascript, Protobuf