

Chaitanya Nettem

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Experience

Senior Software Engineer, Rubrik

FEB 2022 - PRESENT

- Tech lead on multiple features for [Atlas](#) (Rubrik's distributed filesystem deployed on 1000s of clusters at petabyte scale).
- Lead a team to build failure tolerant fsync necessitating a fundamental redesign of Atlas's replication, striping and format layers.
- Built an optimal consolidation algorithm that reduced I/O load on clusters by upto 40%, earning an **engineering excellence award**.
- Developed support for a net new platform (Oracle Cloud) in Atlas in record time with an innovative approach.
- Added support for rolling upgrades in Atlas by redesigning the chunk allocation and metadata management layers.
- **Filed 3 US patents** for my work on the filesystem team.

Senior Member of Technical Staff, Mason

NOV 2017 - FEB 2022

- Joined as engineer #2 at [Mason](#). Responsible for building scalable systems, defining engineering roadmaps and managing a team.
- Created an online file storage system. Built asynchronous file processing & enrichment pipelines capable of handling large bursty volumes (100k files an hour). Created a [fast sync system](#) to let users connect Google Drive/S3 etc to Mason.
- Built a novel JSON based DSL for creating API integrations. Brought down time to create integrations from 2 weeks to 2 days.
- Implemented features such as smart-crop, [autoposition](#), image filters & autosuggest with support from the ML team.
- Created a translation engine to auto-convert users' Sketch/PSD/Figma design files into Mason design files.
- Lead the effort to setup and migrate our Kubernetes infra from GCP to AWS (50 node cluster; 40 microservices and self-hosted DBs).

Full Stack Engineer, Nyuyu

OCT 2016 - OCT 2017

- First engineer on the team. Created the Android app, the CI/CD pipelines as well as backend services.
- Built payments and booking system. Built tooling to allow updating content on the app. Implemented A/B testing module.
- The android app was built with an MVVM architecture. Created reusable reactive components to speed up future development.
- A version of the app is [here](#).

Software Consultant, Arrayjumper

AUG 2015 - SEP 2016

- I was a consultant on multiple projects during this time.
- [Quovo](#) is an investment data platform. Built parsers for various data sources which feed into Quovo.
- Stereo was a podcasting platform. Implemented their payment systems; Built integrations with Stripe and Razorpay. Also built a recommendation engine for recommending new podcasts based on user's listening history.

Miscellaneous

- [Search for Reddit](#) is an Android app I built on my own (2015). It has 8000+ installs and a 4.4 rating on the Play Store.
- Internship at Bioinformatics Lab, IISc Bangalore (2011) focusing on viability of Genetic Algorithms for metabolite assignment.
- Internship at BPCL Data Centre (2010) - built a network monitoring tool to monitor links, measure downtimes and send alerts.
- 17 years of programming experience (since 2007). Started with building text adventure games in high school.

Presentations & Talks

Demuxed, San Francisco - Lightning Talk

[VIDEO AS CODE: AN OVERVIEW OF HOW WE CREATED A VIDEO MARKUP LANGUAGE](#) • NOV 2019

Droidcon, Bangalore - Talk

[JACK, JILL & JAVA 8: THE NEW ANDROID TOOLCHAIN AND ITS IMPLICATIONS FOR DEVELOPERS](#) • OCT 2016

Pycon, Montreal - Poster Presentation

[BUILDING A NON-INTRUSIVE FALL DETECTOR USING RASPBERRY PI AND PYTHON](#) • APR 2014

Education

University at Buffalo, State University of New York

AUG 2013 - MAR 2015

Visvesvaraya Technological University

B.E., COMPUTER SCIENCE AND ENGINEERING, AUG 2009 - JUN 2013

Skills

C++, Python, Kubernetes, Elasticsearch, MongoDB, BigQuery, PostgreSQL, Docker, Helm, GCP, AWS