

# Samarth Chugh

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## PROFESSIONAL EXPERIENCE

### State Farm

Richardson, TX

#### Lead Software Engineer

Feb 2023 – Present

- Co-led creation of containerized server-driven application hosted on AWS and serviced by Scalr pipelines for automated deployments for processing changes on existing business policies (~100k+ transactions annually).
- Spearheaded AI solutions across suite - led a team of 10 engineers to work on multiple \$1M+ business outcome projects from ideation, cost and risk analysis to integrated and standalone applications.
- Developed a customer facing backend application deployed in AWS ROSA using DynamoDB as a trailblazer project for enterprise-wide GraphOS adoption.
- Improved DevOps across multiple projects by developing automated pipelines for production with release versioning, scheduled outlets for ad hoc fixes and vulnerability scans saving over 100+ dev hours annually.
- Enhanced working efficiency up to 50% by streamlining Gitlab communication with Agility, implementing logging across Adobe Analytics and Salesforce and multiple APIs including email and payment functionalities.
- Worked as a technical architect to solve data pipeline issues affecting 40% of all policies involving payments, helped improve suite documentation and conducted multiple technical feasibility assessments.

#### Software Developer

Mar 2021 – Jan 2023

- Developed and maintained micro-frontend applications based on React with backend in Java using GraphQL for APIs for intake of all new business policies (in over 50% of states serviced by State Farm annually).
- Created a Node.js package to be consumed by multiple product teams using data from a Java based policy management system which helped trim the yearlong delivery timeline by a month.

### Infosys (Allstate Insurance)

Richardson, TX

#### Associate Software Developer (Power Programmer)

Dec 2019 – Mar 2021

- Revamped data intake processes to save 100+ hours monthly with automation scripts in Python.

## RESEARCH

#### Stanford and IIIT-Delhi

- Researched under a Stanford professor in health care systems by utilizing Bayesian Decision Networks for promoting longevity of life which involved exploration, cleaning and processing of over 35 GB of data.
- Created an interactive [web-application](#) in R for data visualization; published papers in [Wiley](#) and [AAAI 19](#).

#### Netaji Subhas Institute of Technology

- Researched existing models in delay tolerant networks and implemented improvements (up to 80% efficient) and invented new models (up to 200% efficient) through a system written in Java.
- Networking papers published in [Springer](#) and [PGDC 18](#).

## KEY SKILLS

**Languages:** Java, React, Angular, Python, SQL, Express, Typescript, Javascript, HTML, CSS, C++, YAML, R

**Technologies:** AWS CCP (Lambda, ECS, EC2, ElastiCache, S3 ROSA), GraphQL, GraphOS, Scalr, Terraform, Docker, MongoDB, DynamoDB, Nx, Node.js, Jest, Postman, Azure, Springboot, SNYK, Git

## EDUCATION

### Netaji Subhas Institute of Technology

New Delhi, India

B.E. in Information Technology (4.0/4.0)

December 2019