

# Akash Nainani

Software Engineer

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## WORK EXPERIENCE

### Graduate Research Assistant Georgia Institute of Technology (Georgia Tech)

01/2022 - Present

Atlanta, GA

*Achievements/Tasks*

- Working with the Internet Intelligence Lab in building the IODA system, an internet monitoring system used by researchers, journalists and companies.
- Implementing CLI library for BGP data in Golang.
- Working with React, Javascript, Python and related technologies for analytics.

### Software Engineer RadixHealth

01/2021 - 12/2021

*Achievements/Tasks*

- Built reactive web service using Spring WebFlux introducing **event driven web pages**
- Refactored core system into DDD and exposed REST compliant APIs
- Developed an internal environment monitoring site using React
- Documented guidelines and pre-configured templates to improve overall productivity and consistency across teams

### Software Engineer HSBC Technology India

07/2019 - 01/2021

*Achievements/Tasks*

- Built banking **micro-services** in a distributed architecture on Kubernetes. Tech Stack: Spring Boot, Hibernate, Docker etc.
- Developed a robust batch processing system with Spring Batch.
- Actively conducting sessions on topics like GCP, modern Java, programming practices, etc.
- Contributed in design and development of internal tools. Tech Stack: ReactJS, Spring Boot and Postgres.

## EDUCATION

### MS in Computer Science Georgia Institute of Technology

01/2021 - Present

### BE Computer Engineering VIIT, Pune

2015 - 2019

## SKILLS

Java

AWS

Rest

Spring

nodejs

Spring Batch

React

Google Cloud Platform (GCP)

Software Architecture

Golang

Skill

## PROJECTS

### IODA (01/2022 - Present)

- Link: <https://ioda.inetintel.cc.gatech.edu/>
- An Open-Source Internet outage monitoring system.
- Working on improving and fixing UI written in React

### Zam - An Ionic App (01/2022 - 01/2022)

- An Ionic App that is heavily integrated with AWS Amplify.
- **Serverless Architecture** with the help of AWS Lambda, AWS Cognito and AWS DynamoDB.

### MediKeep (A Document Storage Web APP) (09/2020 - 08/2020)

- A web APP to store and manage medical documents
- The need to retrieve medical documents can be sporadic and it might be difficult to find the tool helps manage them and retrieve using various filters

### Essayer (getessayer.com) (04/2019 - Present)

- A tool to make life easier for GRE and GMAT aspirants by letting them have a seamless experience while preparing for writing section.
- Build backend in Spring Boot and scaled over GCP.

### AI bot for Call Center (2018 - 2018)

- Leveraged Watson for its NLU capabilities for Q&A

## CERTIFICATES

### Google Cloud Certified - Associate Cloud Engineer (01/2020 - 01/2022)

<https://www.credential.net/5e90323f-9342-4c33-a77d-bdea00b01f4#gs.9drr2o>

### Scientific Computing and Python for Data Science (09/2019 - 11/2019)

<https://wqu.thedataincubator.com/certificate/5573191007207424>