

# Akash Sampurnanand Pandey

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## SUMMARY

A seasoned Software Engineering workhorse with a Master's in Computer Science from New York University and around 3.5 years of professional experience in public companies (Amazon and Capgemini), a Series D startup (Forward Health), and a seed-funded startup (Acadza). Skilled in Back-end technologies using Go, Python (Django), and Javascript(Node.js), and Front-end technologies like React.js. [Portfolio Website](#)

## TECHNICAL SKILLS

**Programming Languages:** Python, Go, JavaScript, Java, SQL, C++, HTML, CSS.

**Development Frameworks:** Frontend: React.js, Flask. Backend: Protobuf, gRPC, Django, Node.js.

**Databases:** MySQL, MongoDB, DynamoDB, PostgreSQL

**Technology and Tools:** REST APIs, Postman, AWS, Microservices, Git, Visual Studio Code, Linux, IntelliJ.

## WORK EXPERIENCE

**Forward Health, San Francisco** as *Software Engineer* Feb 2023 - June 2023

- Created 5 new APIs end to end using Go for targeted App deployment using gRPC and Protobuf. This service is being used by over 40,000 Forward users.
  - Changed the build from Travis CI to GitHub Actions reducing CI/CD pipeline build by 50 percent.
  - Managed and modified an E2E API for Health Apps Service use widely across the company.
  - Worked with AWS stack and cloudformation along with logging services like Honeycomb.
- Skills developed - GoLang, ProtoBuff, GRPC, Backend, Microservices, Agile, TDD, Git, AWS

**Amazon Web Services (AWS), Seattle** as *Software Developer Intern* May 2022 - Aug 2022

- Created and optimized the MetricMath Rule as part of the Health Guardian platform in AWS Lambda Team to enhance Rule integration for a microservice used by AWS Lambda customers.
- Detected Service Outage and simulated production environment to aid the Amazon Science team to fine-tune Detection Algorithms.
- Worked in a Test Driven Development (TDD) environment writing unit tests with 95 percent plus coverage along with Integration tests. Skills developed - Java, Backend, Microservices, Agile, TDD, Git

**Acadza Technologies** as *Chief Product Officer* Feb 2020 - Nov 2020

- Started ground up with the founder at the early stage of Ed-Tech startup and managed a team of 25 people across departments. [Product Link](#).
- Delivered Django Content Management System product. Skills developed - Python, Django, Agile, Project Management, Full Stack Web Development, Git

**Capgemini** as *Software Engineer* Aug 2016 - Mar 2019

- Worked on a commercial technology platform widely used in the Health Insurance Industry called Guidewire, using AGILE SDLC.
- Created REST APIs and Relational Data models to implement business logic.
- Improved defect fixing to support the Guidewire features and functionality required by the Personal Auto and Homeowners line of business by 20 percent. Skills developed - GoSu, Python, Django, Agile, Project Management, Full Stack Web Development, Git

## EDUCATION

**New York University, Courant Institute of Mathematical Sciences** Jan 2021 - Dec 2022

*Master of Science (M.S.) in Computer Science, GPA: 3.6/4.0*

**Indian Institute of Technology - Varanasi, India** Jul 2012 - May 2016

*Bachelor of Technology (B.Tech.) in Engineering, GPA: 7.51/10*

## PUBLICATIONS

**Automated Bayesian Hyperparameter Tuning of ML Classifiers: First Author.** [Link to Publication](#).