Neeraj Kumar

Software Developer

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LinkedIn | Website | GitHub

SKILLS

Backend: Python, Django, Django Rest Framework.

Frontend: Angular 2+, Javascript, Bootstrap.

DevOps: Kubernetes, Docker, Google Cloud Platform, Nginx.

EDUCATION

University of Delhi - *MCA*

June 2014 - August 2017

University of Delhi - *BSc. Computer Science*

June 2011 - August 2014

Kendriya Vidyalaya, Delhi - *XII & X (CBSE)*

March 2009 - March 2011

CERTIFICATIONS

Architecting with Google Cloud Platform Specialization

Coursera, Nov 2017

EXTRA-CURRICULAR

- Developed the website of Sankalan'16 the Annual Technical Fest of the Department of Computer Science.
- Organized and Managed as a Team Leader of the Event 'Spin-a-web' at Sankalan.

EXPERIENCE

KisanHub(AgTech startup based in Cambridge)**, Pune** - *Software Engineer*
Jan 2017 - Present

I am currently working at kisanHub as a Full-stack developer, during my period over in KisaHub, I have moved around in various projects from Design to Development to DevOps while working directly with CXOs.

Supply chain management:

- Played a key role in the design and development of Load, Contract and Firm Management benefits producer groups or processors to manage farms easily.
- Integrated with **Fulcrum** to collect and report client-specific data.

Technologies: Python, Django, Angular 8, Fulcrum.

CI/CD and Kubernetes Migration on GCP:

- Responsible for migration of the infrastructure from Linode to Google cloud platform and later to **Kubernetes**, which saved the company roughly **$80000 yearly**.
- Increased our rate of release from 10-15 to around **100 deployments** weekly using CI/CD using pipelines**.**
- Increased and quicker deployments mean we achieved **99.999% uptime** which was 99.8% at one time.

Technologies: Kubernetes, Docker, CloudSQL, GKE, GCP, Bitbucket Pipelines.

Satellite Microservice:

I was involved in this project from the start, which gave me a chance to do Design, Architecture and Build cloud infrastructure from scratch.

- Created service to download and process satellite images to provide the NDVI layer and serve it with GeoServer.
- Implemented a Jenkins automation server to run tests and deploy. And Celery for scheduled and async tasks.

Technologies: Python, Django, GeoServer, Jenkins, Celery, RabbitMQ, AWS.

PROJECTS

KRANzaa - *April 2016*

- Developed an eCommerce website, Kranzaa is a One-Stop web service for locating nearby stores and to get the best stores in a particular locality by providing reviews by customers.
- **Review Sentiment Analysis** that analyzes the sentiment of comments on a product and shows the negative or positive sentiments towards the product.

Technologies: Django, PostgreSQL, NLP.