

# Vidit Agarwal

Software Development Engineer, Entrepreneur  
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## EXPERIENCE

**Elucidata, Delhi – Software Engineer, Trainer Engg. interns**

August 2018 – Present

- Mentored 2 engg. interns as part of summer internship. Trained them on AWS, GCP & Kubernetes.
- Developed APIs (used **JSON for data exchg**) (**HTTP** as transfer protocol) (followed REST pattern) using **python**. Followed test driven API development. Automated the API testing using the **Postman (CLI)**. Deployed on **AWS lambda & API gateway**.
- Developed **custom docker domain (public & private enabled)** for our platform. Used **NGINX + Lua** for proxy layer logic. Deployed on **kubernetes**. Used **AWS ECR** for backend repos
- Worked on Infra management, development and versioning using **Terraform** and **Terraform Cloud**. Worked with the core platform team for making services **HIPAA compliance**
- Collaborated with Product, Design & testing team for building new features
- Part of a small team (2-member) that handles the complete compute infrastructure on Kubernetes across **AWS, Azure & GCP**.
- Main contributor for developing and bringing the Kubernetes based architecture in the company. Developed **compute as a service (mini cloud)** that is being used by multiple teams to build the apps on top of it. Wrote a major part of **Helm charts** for k8 deployment. Wrote the **CI/CD script** for the same purpose.
- Worked on custom feature development & hosting of various **shiny applications & jupyter notebooks** on the modern day infrastructure. Worked on **POD Hpa & user-placeholder k8** for enhancing the auto scaling feature of our cluster.

## PROJECTS

- **CSGOviral (2017–2019): Entrepreneur | Backend & DevOps.**
  - Built CSGO trading website. **Crossed gross revenue - \$5000**
  - Built the **backend, users authentication, API development, notifications**. Designed database (used AWS RDS). Handled scaling, real time CSGO item trading (live **stream bot**) and **CSGO skins box** (like Pubg crates). Implemented **HTTPS** Certificate on website.
  - Built **CI/CD** pipeline for code deployment on **EC2**. Intg autoscaling
  - Integrated **Paypal** as the payment gateway Built the feature of real time cash out from paypal.
  - Built the **real time trading bot** which allowed real time exchange of csgo skins to other steam users. **Integrated the FE with BE services.**
  - Contributed to the marketing team for promotion of the website.

## SKILLS

Python, Bash, javascript,  
Postman, Git, Agile  
Development, Docker,  
Multi-Cloud (AWS, GCP, Azure),  
GKE, EKS, AKS, Terraform,  
Kubernetes, API Development

## HONOUR

**Highest performance rating:**  
Got P5 (P1-P5) for assessment  
year 2019-2020 in **Elucidata**

## EDUCATION

**GGSIU, State University,  
Delhi: Bachelors of Tech. :**  
**2014/2018 - Major: Computer  
Science.** Studied fundamentals  
& focussed on project  
development

**Ural Federal University,  
Russia: CS Major Intern : 2017.**  
Worked on designing & building  
ML for face recognition. **Honour:**  
*Best student award*