Nikhil Kumar Singh

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EDUCATION		
B.Tech in Computer Science and Engineering		2013 - 2017
Guru Gobind Singh Indraprastha University, Delhi, India - 80 %		
Secondary School - Kalka Public School, Delhi (CBSE) - 78.8%		2012-2013
High School - St. Johns School, Faridabad (CBSE) - 8.6 CGPA		2010-2011

EXPERIENCE

Senior Member of Technical Staff, Oracle Cloud Infrastructure Dec, 2021 - Present
Terraform | Python | Golang
- Developed canaries for Tier-0 (Regional Bastion) service, completed all the security and architecture process (ORM) for that. Deployed it across all the regions
- Created architecture design docs for Substrate Bastion DNS Architecture changes(ECAR-5675) which was reviewed in ECAR. Also created arch. docs for: Networking in ZTB Phase-2 , Regional Bastion Canary which were reviewed at org level(Internal Design Reviews
- Participated in ECAR reviews as reviewer. Some of the ECARs where my comments became AIs are : ECAR-3834, ECAR-3859, ECAR-3058, ECAR-2176, ECAR-4187
- Made changes in ZTB service to remove substrate footprint which was an OCI level initiative(OCI-on-OCI). Also got this CSSAP approved
- Onboarded Bastions service to multiple org based intercoms: Herds, SPAM onboarding, Dynamic Core Regions, Telemetry Endpoint deprecation etc.
- Mentored other IC2s(4) to help them contribute better to the team

SDE-II (Backend), Innovaccer Analytics Pvt. Ltd. Feb, 2021 - Sep, 2021
Python | Django | Postgres | Kubernetes
- Working on FHIR Server for ePHI data access
- Building ETL pipeline for FHIR Server

Senior Software Engineer, Testbook Edu Solutions Pvt. Ltd. Sept, 2018 - Jan,2021
Golang | MongoDB | Redis | RabbitMQ | Elastisearch
- Developed site wide search from scratch
- Backend for Offline Download of Videos in app
- Improved existing code and solved minor and major bugs in transaction APIs

Software Engineer, CollegeDunia Web Pvt. Ltd., Delhi April, 2017 - Sep, 2018
Django | Python | MySQL | Redis | MongoDB | RabbitMQ | ElasticSearch | Postfix
- Added new features and Enhancements of existing features in CollegeDunia and Frizza
- Created an internal software for HR Management from scratch
- Created self hosted email marketing service (with Postfix) and API to handle the same from scratch.

INTERNSHIP EXPERIENCES

Software Development Intern, GeeksforGeeks, Noida June, 2016 - Aug, 2016
Django | Python | MySQL | BeautifulSoup | Backend
Backend Developer for the project which host courses. Started from scratch.

Backend Developer, ShoesOnLoose, Delhi Oct, 2015 - Dec, 2015
web2py | Python | MySQL
Customized Travel Itinerary Backend for customizing hotel, travel and activities.

Summer Intern, iLabs.co, Delhi June, 2015 - July, 2015
Ruby on Rails | PostgreSQL | Web Development | Training + Internship
Backend Development of the website for the startup named Competify based on Ruby on Rails.

TECHNICAL SKILLS

Languages
- **Proficient** - Golang, C++, Terraform, Mongodb, MySQL, Redis
- **Other** - Python, Java, Postgres, Elasticsearch, RabbitMQ

Tools/Frameworks - Git, Django, web2py, Ruby on Rails, Beautiful Soup, scikit-learn

Achievements and Awards

- Performer of the Quarter Award consecutively for both 1st and 2nd Quarter in FY 2019-20 at Testbook Edu Solutions
- Performer of the Quarter Award for 3rd Quarter in year 2017 at CollegeDunia Web Pvt. Ltd.
- Selected for ACM-ICPC regionals at IIT Kharagpur(among 80 teams from country) and Amritapuri in year 2016
- Ranked 2nd in College and 8th in overall leaderboard at CodeStart 2.0 organised by IEEE-MSIT
- Ranked 94th in the overall leaderboard of the November Cook-Off 2016 on Codechef
- Appreciation certificate for technical and managerial work at Entrepreneurship-Cell MSIT in 2017

Hobbies   Calisthenics, Cycling