Delhi, India

SHASHANK SHARMA

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EMPLOYMENT

Backend Engineer (SDE-II)	**HackerRank**	**Aug 2021 – Present**

- Led the maintenance and enhancement of the coderunner, a critical service for HackerRank, handling 500k+ of coding submissions daily, resolving critical issues, coderunner vulnerabilities, Kubernetes migration and cost reduction
- Expanded language support in the coderunner service by adding multiple languages catering to the specific needs of customers, while also making architectural changes for a smooth migration and automating the whole process of it, which impacted 95% of submission
- Improved coderunner database execution flow by introducing a new architecture of dump/restore logic and improving overall execution by 60% which reduced the cost and improved customer experience.
- Played a key role in upgrading and maintaining the Language Server Protocol (LSP) server, ensuring compatibility and stability across multiple languages, allowing LSP availability across all products
- Led load testing efforts to evaluate the performance and scalability of the coderunner service, utilizing the Locust framework, analyzing test results, and making necessary optimizations to handle high submission volumes, resulting in improving service with 99.9% uptime

Backend Engineer	**CivicDataLab**	**Sept 2020 – July 2021**

- Working on a Data Visualization plugin with CKAN platform as an open-source tool for company-wide usage
- Maintaining backend for JusticeHub including authentication, authorization, logging, and scale
- Working on OpenBudgetIndia platform and creating a pipeline for scraping / uploading the latest data
- For personal growth, I worked on the frontend of state-of-foss on the website by implementing all the components and UI from scratch in Gatsby

Backend Engineer, Intern	**Atlan**	**Dec 2019 – Sept 2020**

- Creating custom pipelines (ETL) for different storage in Azure, S3 etc using normal mode and streaming
- Working on the Data profiling/Data quality part using Scala with Spark, Delta lake while generating reports incrementally and allows customers to create custom checks for their large dataset
- Creating Authenticate and Authorization layer by making use of Apache Atlas, Ranger and Keycloak for entirely new Atlan lite tech stack which reduces the overall cost for running it

EDUCATION

Indore, India	**Acropolis Technical Campus**	**June 2016 – Oct 2020**

- B.E in Computer Science, CGPA: 8.10
- Completed my High school from Delhi Public School, Lucknow, April 2016, Percentage: 75.6%

ADDITIONAL EXPERIENCE AND AWARDS

- **Mentor (2019 – 2021):** I have been assigned as a mentor in Django Girls Indore organization, HackSocIndore local group, GirlScript Summer of Code 2020
- **Organizing Experience (2018 – 2021):** Co-organizer in Django Girls Indore, Lead organizer in Isohack 2020 Hackathon in college, Lead in Technical club and Volunteer in GDG Indore, HackSocIndore
- **Open-Source Experience (2016 – 2021):** Actively contributed to PSF Django forum project, Deequ awslabs library and FOSSASIA organization in school days
- **Pune Smart City Hackathon (2018):** Got selected in Top 50 teams in Pune Smart City Hackathon 2018 as a team leader of 4 members and presented our Garbage Disposal Waste Management application
- **Grand Finalist, Smart India Hackathon (2018):** Showcased our Django web app by solving one of their problem statements and got selected for the Grand Finale of SIH 2018 as a team leader
- **Certifications (2017 – 2018):** CS50 – Harvard, Introduction to Python – MIT, NPTEL – Python programming, Introduction to Algorithms – Stanford, Udacity India Challenge Scholarship 2018
- **Google Code-In (2015):** Finalist and completed 30 problem tasks for various organization by solving their bugs in GitHub

LANGUAGES AND TECHNOLOGIES

- Python; JavaScript; Golang (Go); Spark; Django; DRF; Flask; ReactJS;
- Kubernetes; ECS; EKS; Jenkins; Vim; Firebase; PostgreSQL; MySQL; DeltaLake; TravisCI; CircleCI;