SHUBHANK SAXENA

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EDUCATION

Northeastern University Sep 2023 - Ongoing
Master of Science in Information Systems | GPA: 3.6/4.0 — Boston, MA
Courses: Data Structures and Algorithms, Cloud Computing, Machine Learning

Thapar Institute of Engineering and Technology Aug 2017 - May 2021
Bachelor of Engineering, Electronics and Communication — India

EXPERIENCE

First Rounds On Me May 2024 - Ongoing
Backend Engineer Intern — New York, NY

- Solely led the complete backend rewrite of a Django-based system, driving significant improvements in performance, scalability, and overall platform efficiency.
- Single-handedly built and deployed a Grafana and Prometheus monitoring system, improving machine and API performance tracking, leading to a 70% reduction in response time for critical issues.
- Independently designed and optimized database models, reducing query response times by 50% and improving data performance without external assistance.
- Executed the migration of 150k+ users' data from the legacy system to the new platform without any downtime, ensuring data accuracy and a seamless user experience.

Bullwhip June 2023 - August 2023
Backend Engineer — Remote

- Developed an ETL pipeline that processed over 10000 media articles daily, reporting performance metric analysis including clicks and views to the marketing team.
- Engineered a language model-based (LLM) system that efficiently processed data from 10 different API endpoints, making data querying a chat away.

Wall Inc. Nov 2022 – June 2023
Software Engineering Lead — Bangalore (India)

- Utilizing innovative problem-solving skills, developed on-chain data gathering and community interaction features, successfully attracting over 10,000 users in 48 hours and boosting user engagement by 30% within the first week.
- Led and collaborated with a team of 5 developers in delivering an end-to-end application, showcasing strong teamwork skills. This leadership resulted in a 20% increase in operational efficiency and a 15% reduction in time-to-market.

Wall Inc. Jan 2022 – Nov 2022
Software Engineer — Bangalore (India)

- Developed queryable indexers for Ethereum and Polygon, processing over 1,000,000 transactions daily, and augmented them with rich off-chain metadata
- Led the dockerization of 3 key services and apps, enhancing deployment efficiency by 40% and reducing server downtime by 50%.
- Demonstrated strategic decision-making in optimizing ETL pipelines, effectively reducing storage costs by 60% through the meticulous migration of over 3TB of legacy data to AWS S3

Lime Health Inc. Nov 2021 – Jan 2022
Backend Engineer (Contract) — Remote

- Created a survey healthcare and patient (OPD) form management tool using Ruby on Rails, which made the survey process more efficient and better at handling data.

Google Summer of Code May 2021 – July 2021
Open Source Developer — India

- Worked on segregation of production and development environments, thus allowing for better local development without disturbing production CI setup.
- Employed meticulous attention to detail by integrating CI checks on code quality and unit tests, ensuring robustness and reliability in software development processes.
- Exhibited cultural adaptability by adding internationalization support to accommodate users from various geographies, enhancing global accessibility and user inclusivity.
- Showcased innovation and efficiency by creating a CLI-based tool for interacting with MediaCMS API endpoints, significantly streamlining the process by enabling backend interactions without deploying the entire stack.

Indian Institute of Technology, Delhi Jan 2021 – July 2021
Research Intern — Delhi, India

- Exhibited empathy and innovative thinking by creating an AI-driven inflatable jacket to assist Autistic individuals during anxiety attacks, monitoring physiological and bio-signals, and simulating a hug to provide comfort.

SKILLS

- **Languages:** C, C++, Python, JavaScript, Bash, Go
- **Frameworks:** Flask, Django, React, PyTorch, Scikit-learn, Pandas, Numpy, Terraform, Ansible
- **Software Skills:** DBMS, VSCode, CI/CD, Docker, Celery, GCP, Kubernetes, TDD