

SHUBHANK SAXENA

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SUMMARY

Proactive Software Engineer specializing in developing and optimizing software solutions. Excel in various programming languages and frameworks with demonstrated capability in collaborating effectively with cross-functional teams to deliver high-quality projects. Strengths include problem-solving, code optimization, and staying abreast of emerging technologies. Passionate about creating efficient, scalable software solutions that drive innovation and elevate user experiences.

EDUCATION

Northeastern University

Master of Science in Information Systems | GPA: 3.6/4.0

Courses: Data Structures and Algorithms, Cloud Computing, Machine Learning

Sep 2023 - Ongoing

Boston, MA

Thapar Institute of Engineering and Technology

Bachelor of Engineering, Electronics and Communication

Aug 2017 - May 2021

India

EXPERIENCE

First Rounds On Me

Backend Engineer Intern

May 2024 - Ongoing

New York, NY

- Maintained and improved the backend infrastructure of the application.

Bullwhip

Backend Engineer

June 2023 - August 2023

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.

Software Engineering Lead

Nov 2022 – June 2023

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.

Software Engineer

Jan 2022 – Nov 2022

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.

Backend Engineer (Contract)

Nov 2021 – Jan 2022

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

Open Source Developer

May 2021 – July 2021

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

Research Intern

Jan 2021 – July 2021

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

ACHIEVEMENTS/AWARDS

- Winner, Best use of Unlock Protocol and Filecoin bounty worth USD 1750 at ETH New York 2023.
- Winner, Best use of Dune Analytics API bounty worth USD 2000 at ETH India 2022