

SHIKHAR RAI

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SKILLS

- **Languages & Frameworks:** JavaScript (Node.js and Express.js), Ruby, Python, Golang, HTML, CSS
- **Databases:** Databases (Relational: SQL, Postgres, NoSQL: MongoDB)
- **Development Tools & Technologies:** AWS Cloud (S3, EC2), Docker, Linux, CI/CD, Git, GitHub Actions, RESTful APIs, Agile/Scrum, SDLC, AI (LangChain, Vector Databases), Automation, Selenium
- **CS Fundamentals:** Data Structures & Algorithms, System Design, Distributed Systems, OS, Networking

PROFESSIONAL EXPERIENCE

● Backend developer – Nov 2022 – Aug 2023

[WiseApp - Bengaluru, India \(Online Education Services\)](#)

- **Development: JavaScript (Node), Ruby (Rails), Python, MongoDB, AWS (S3, Cloud Watch)**
- Enhanced system functionality by creating itemized fine-grained invoices, resulting in a 20% decrease in customer support inquiries.
- Spearheaded the development of key end-to-end features for the product, encompassing Courses, Dashboards, Historical Data Management, and Reports.
- Revamped payment routing infrastructure to integrate payment gateways such as Stripe, overseeing payment reconciliations and webhooks to facilitate international transactions.
- Streamlined API management, crafted comprehensive documentation using Postman, and played a pivotal role in implementing Test-Driven Development methodologies.

● Member of Technical Staff – Software Engineer – Nov 2021 – Apr 2022

[LambdaTest - Noida, India \(Enterprise Cloud Testing Software\)](#)

- **Development: JavaScript (Node), Python, SQL, AWS S3**
- Managed backend infrastructure, building and troubleshooting features in simulators utilizing Golang and SQL.
- Led backend design initiatives for Android as the Single Point of Contact (SPOC), leveraging Golang and Docker to achieve a 95% stability rate.
- Innovated product enhancements by integrating new features across both front-end and back-end (Node.js, SQL).
- Enhanced deployment efficiency by establishing pipelines through GitHub Actions and YAML for seamless production environment deployments.

● Software Development Engineer in Test – Jan 2021 – Oct 2021

[HackerEarth - Bangalore, India \(Online Coding and Assessment Proctoring Platform\)](#)

- **Development: Python, Selenium**
- Took full ownership of components, overseeing feature additions from design to deployment.
- Successfully implemented weekly deployment schedules for new features, ensuring timely releases.
- Collaborated with the team on critical automation projects, utilizing tools such as Selenium and Python.
- Developed detailed test documentation and reports for various features, documenting QA metrics to enhance quality assurance processes.

EDUCATION

● Bachelor of Engineering in Computer Science and Engineering – 2016-2020

- Chandigarh University, Mohali – 8.18/10 CGPA

PROJECTS

● [Anime watch tracker \(Django, Python, HTML, CSS, JS, SQLite\)](#)

Developed an app for tracking anime watching history, featuring user login, show tracking, episode marking, and library management, with plans to implement episode release notifications.

● [URL Shortener \(Django, Python, HTML, CSS, JS, SQLite, Secrets\)](#)

Built a service for generating and managing short URLs, with unique hashes, and redirect functionality.

● **Video downloader (Python, Curses, Requests, File IO, Multiprocessing, Multithreading)**

Created a CLI tool for concurrent video downloads from URLs, with a dynamic display of download statuses.
