

# 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.

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