

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)**
 - Developed features for generating itemized fine-graining invoices, leading to a 20% reduction in customer support tickets.
 - Built major end-to-end features for product, including Courses, Dashboards, Historical Data Management, Reports etc.
 - Upgraded payment routing system to include payment gateways like Stripe, managing payment reconciliations and webhooks, thereby enabling international conversions.
 - Expedited API management, Documentation using Postman and contributed to Test-Driven Development.
- **Member of Technical Staff – Software Engineer – Nov 2021 – Apr 2022**
LambdaTest - Noida, India (Enterprise Cloud Testing Software)
 - **Development: JavaScript (Node), Python, SQL, AWS S3**
 - Worked on backend infrastructure, built and debugged features in simulators using Golang & SQL.
 - As a SPOC for Android, spearheaded backend designing using Golang and Docker, achieving 95% stability.
 - Developed new features to the product with both front-end and back-end (Node JS and SQL).
 - Optimized the deployment processes by creating pipelines using GitHub Actions and yaml workflow for production environments.
- **Software Development Engineer in Test – Jan 2021 – Oct 2021**
HackerEarth - Bangalore, India (Online Coding and Assessment Proctoring Platform)
 - **Development: Python, Selenium**
 - Took ownership of components, adding features end-to-end from design to deployment.
 - Ensured timely deployment of new product features on a weekly basis.
 - Collaborated on key automation initiatives with the team using tools like Selenium, Python.
 - Built comprehensive test documents, reports around various features, document QA metrics.

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, ensuring unique hashes, and providing redirect functionality.
 - **Video downloader (Python, Curses, Requests, File IO, Multiprocessing, Multithreading)**
Created a CLI tool for concurrent video downloads from various URLs, with a dynamic display of download statuses.
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