

Sundar Rajan

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Education

Coimbatore Institute of Technology, India

July 2015 – May 2018

Bachelor of Technology in Information Technology

GPA: 7.0/10

Relevant Coursework: Data structures and Algorithms, Database management system, and Operating Systems

VSVN Polytechnic College, India

July 2012 – May 2015

Diploma in Computer Science

GPA: 9.1/10

Relevant Coursework: Computer architecture and distributed systems.

Skills

Languages: Python, Java(basics)

Databases: PostgreSQL, MongoDB

Frameworks: Django Rest Framework

Miscellaneous: RESTAPI's, Data modeling, TDD

Tools & Technologies: Git, Docker, AWS, Heroku, JIRA

Experience (~ 4 years)

Tavant Technologies Pte. Ltd.

September 2021 – Present

Senior Software Engineer

- Working with the ingestion team to ingest the data from multiple sources and handling the complexity.
- Working experience in developing a scripting application using python and document DB.
- Experience in adding web services for different data providers which call third-party APIs and pull the data To the document database.
- Collaborating with the production team to analyze bugs and resolve the issues.
- Follow JIRA ticketing tools to handle various issues reported by different teams and resolve them.

Clinilead Technologies Pte Ltd.

December 2018 – August 2021

Software Engineer

- Developed Scalable backend stack from scratch.
- Designed and developed several server-side RESTful APIs using the Django rest framework.
- Worked with asynchronous programming to reduce the latency of microservice.
- Worked almost on all the phases of the software development life cycle. (Design, code, review, testing, deployment, production support)
- Integrated multiple Software as a Service APIs into the existing system for certain functional requirements and cut off the delay on manual implementation.

Projects

Online Assessment System 🐙

December 2020– April 2021

Tech Stack: Python, Django, AWS (ECS, S3)

- Developed scalable backend application using Django rest framework and Build API for authentication and authorization.
- Implemented the load generator to test the application's scalability by generating 100 concurrent and 1500 user requests using load testing.
- implement a credit system into an existing project it does add new credit when a student takes up a new exam. Then they will be allowed to enroll in online courses once they get enough credits.
- Added error tracking software like a sentry to the existing project. It does report the production issue via email when there is a high request load or payment failure.

Pdf Generation as a Service 🐙

February 2020 – May 2020

Tech Stack: Python, Concurrency, AWS (S3)

- A script that runs on AWS Lambda which converts incoming images to PDF.
- Implemented multiprocessing on execution it drastically reduces the execution time when multiple calls come at the same time.
- Tested the implementation of auto-scaling and load balancing by generating 100 requests.

Subscription Billing app 🐙

February 2019 – June 2019

Tech Stack: Python, Django, AWS (EC2, S3), HTML/CSS

- Coded and deployed backend web app incorporating features like OAuth-based login/sign up, view detail of recurring payment and non-recurring payment, Add/remove credit/debit card, Pause and renewal of product subscription.