

Suraj Zala

Software Developer

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Career Summary

Software Developer

Rheo.bot

JULY 2018 TO NOVEMBER 2020

Engineering:

- Built a SocketIO-based customer service chat back-end server on Flask.
- Built and maintained an enterprise chatbot solution atop the aforementioned server.
- Wrote RESTful APIs on Flask, Django + MongoDB that served:
 - Google and Facebook OAuth2 Authentication services for chat users.
 - an NLP management wrapper library around Google's DialogFlow (REST v2) APIs, building features equivalent to DialogFlow's own and more.
 - a custom chat analytics logging system for the chat back-end described above.
 - integrations with Facebook's Feed, Messenger, and Instagram GraphAPI endpoints that allowed clients to automate responding to user queries.

CI/CD:

- Setup several Jenkins pipelines for deploying AngularJS applications.

Project Management:

- Oversaw two architecture-level rewrites for the chat back-end, managing a 4-person team.

Misc:

- Linux server management: setup and configured several Ubuntu-based headless systems as test environments for the product team.
- Handled domain purchase and management, with DNS and subdomain mapping, SSL/TLS certification generation and renewal.
- Trained final-year engineering undergraduate interns in basic Python, Flask, and RESTful API design over a period of three months.

Academics

Bachelor of
Engineering in Information Technology (2014-2018)
Gandhinagar Institute of Technology

CGPA - 7.1

GL Kakadia International School, Bhavnagar (2010 - 2013)

CAMBRIDGE IGCSE EXAMINATIONS - 85.43%
CAMBRIDGE A-LEVEL EXAMINATIONS - 49.75%

Skills

Programming

Front-End:

- JavaScript (Basic)
- HTML+CSS (Basic)

Back-end:

- Python (Intermediate)
- Flask (Intermediate)
- Django (Basic)
- SocketIO (Intermediate)

Misc:

- Shell scripting (Basic)
- Linux systems configuration (Basic)

Languages

English, Hindi, Gujarati, German
(basic), French (basic)

Version Control

Git (Git-flow and GitHub-flow)

CI/CD

Jenkins (Basic)