

SRINIVASA, GARLAPATI

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Personal Projects / FOSS contributions:

- Made considerable contributions to PyPi : [Pypa/warehouse](https://pypi.org/project/pypa/warehouse/)
- Building an open source module for playing with Python byte code : [bytecode_tools](https://pypi.org/project/bytecode_tools/)
- Co-founded [Indiallo](https://pypi.org/project/indiallo/) (not maintaining now).

Websites:

Blog: <http://gsb-eng.com>

Github: <https://github.com/gsb-eng>

Professional Summary:

- Experienced with full software development life-cycle, architecting scalable platforms, object oriented programming, database design.
- Strong experience in system, design, analysis, implementation, testing, development, and maintenance of business applications using Python based frameworks like **Django, Pyramid, Flask/Bottom**.
- Expert-level experience with designing data processing with **Airflow** and **Spark**.
- Worked on big data technologies like **Google Borg, GFS, Bigtable** and **MapReduce**.
- **Data Analysis** – Comfortable in **Numpy/Pandas/Jupyter Notebooks**.
- Comfortable with basic techniques of statistical analysis / Machine Learning.
- Having good hands on experience cloud automation using **Ansible** and **Kubernetes**.
- Experienced in **RESTful and Micro** Web services.
- Good Understanding of **Network** and **VPN, SSL, Firewall concepts**.
- Manageable understanding of **NodeJs** and **Mean Stack**.
- Heavily used relational databases like **MySQL** and **PostgreSQL**
- Experience in NoSQL databases.
- Expert-level understanding of the **AWS cloud computing** platform and related services.
- Expert-level understanding of **scalable infrastructure design principles**.
- Expert understanding of distributed data storage and processing technologies, particularly ColumnIO databases
- Experience in managing a small team.

Experience:

Scripbox

July 2017 to Till Date

Role: Product Engineer (Data Engineering and Data Science)

Location: Bangalore, India

Scripbox is a finch startup based in Bangalore, Completely automated mutual funds investment process. I'm managing data engineering and data science work for Scripbox.

- Design and develop Analytical data store for Scripbox data science and analysis.
- Build a generic analytical tool for data analytics
- Aggregated entire Scripbox data into a single data source.
- Built entire data pipe line from Scratch using **Apache Airflow and Apache Spark**.
- Heavily used **AWS Redshift**.
- Developed prediction models for Scripbox financial trends and user conversions.

JP Morgan Chase

Sept 2016 to July 2017

Role: Application Developer

Location: Bangalore, India

Worked under corporate technology in JP, I was part of Securities tech group handling SPA project.

- Worked on JP Morgan internal Python backbone **Athena infrastructure**.
- Included new line of businesses to SPA from scratch.

NearFox (Startup, it's closed now)

Role: Engineering Lead

Dec 2015 to May 2016

Location: Mumbai, India

Nearfox is a locale happening meet up App, It provides latest happening like News, Events, Discussions in your locality. Focus was to bring people into a single platform in the same community.

- Designed and build the entire Nearfox backend and web interfaces.
- Designed services layer for Multiple platforms web and mobile.
- Managed a team of 3 nerds.

Mobile App: Indiallo (<http://indiallo.com>)

Dec 2015 to Sept 2016

Role: Co-Founder and Tech Head

Indiallo, maps of interesting locations algorithmically locate Indian restaurants, movies, grocery stores, events & offers, within your locale and outside India using Mobile app.

- Designed and developed “**Indiallo**” Mobile App using **Python/Django** and **Ionic Framework** for **Android** and **IOS**
- Heavily crawled data over web for this.
- Managed entire services platform with no other help.

- Designed and architected database solutions that highly available, scalable and efficient using **PostgreSQL**.

Bank Of America
Role: Senior Software Engineer
Location: Mumbai, India

Nov 2014 to Dec 2015

Responsibilities:

- Worked on BOA's **Quartz infrastructure (Python stack)**.
- Worked with market risk tech group.
- Implemented a framework to deal with position reconciliation process.
- Worked as an individual contributor.

Client: Google(Contractor from Ness Technologies India)
Role: Developer
Location: Hyderabad, India

Nov 2011 – July 2014

- I was the senior developer with internal tools team for google maps operations. I personally work with managers to create custom software products to stream line maps project efficiency checks.
- Part of a tool development for google mapmaker edit quality checks using **Python, Django, Dremel**
- Designed complex algorithms to route mapmaker edits to multiple levels of quality check with certain Predefined sampling.
- Developed complex **reports** on a massive dataset for Google Maps top level management.
- Analyse large data sets by running **Bigtable query tools** and **PLX scripts**.
- Set Up automated **Borg corn** jobs to populate **Bigtable** data into database.

I'm Good At:

- **Programming (familiar):** [Python](#) (2.6 through 3.*)
- **Programming (familiar but not as Python):** C++, Go, [JavaScript](#)
- **Programming (trying to be familiar):** [C](#)
- **Esoteric programming language:** [Brainfuck](#)
- **Linux:** Since 2007; Currently used as primary desktop (fedora 29) and server operating system (Ubuntu 18.04)
- **Information security:** VPN, SSL, SSH
- **IP networking:** troubleshooting, ping, traceroute
- **Source control systems:** [Git](#), [Perforce](#)
- **Databases:** MySQL/MariaDB, PostgreSQL,
- **Web technologies:** Django, HTTP, Python WSGI, OAuth, Pyramid, Flask, Bottom
- **Web Servers:** Nginx (Primary), Apache HTTP