

Mario Jason Braganza

Thane, Maharashtra, India

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Summary

Seasoned middle manager and IT Consultant with over two decades of rich industry experience, looking to transition to a career in software development as a back-end web developer.

Projects & Open Source Contributions

PERSONAL

Back-end Web Development

- Spec **real estate portfolio website application** built with the Django web framework, using PostgreSQL as the database, and deployed using Gunicorn for HTTP and Nginx as a reverse proxy server. It's a working demonstrative web application with an admin area to manage resources including property listings, realtors and contact inquiries.
- Spec **modern responsive Hotel website** built using HTML5 & CSS3+ technologies like Flexbox, deployed in a VM on Hetzner cloud.

Self-hosted Personal Websites

- **Janusworx (personal website and blog)**, powered by Nikola
- **Self hosted Sindy instance**, that powers the **Janusworx newsletter**, using Amazon SES as the backend
- **Miniflux for reading RSS feeds**
- **Janusworx Commonplace Book** - personal instance of the Pleroma federated micro-blogging platform

OPEN SOURCE EXPERIENCE

Flatcar Container Linux

CONTRIBUTOR

- **Extended the OS installer script, to download OS images for local install**. This enables packaging of flatcar-install and a specific version of the OS image in a docker container, so it can be easily installed by a tinkerbelt workflow action in an air-gapped environment.

Linux Users Group of Durgapur, DGPLUG

MENTOR

- **Core Team Member**
- Mentor, DGPLUG Summer Training, multiple cohorts
- Conducted live IRC workshops on **Linux Command Line basics**, **writing**, personal finance, health and time management

Open Source Books

AUTHOR / EDITOR

- Personal Blog, **Tech/Work Category**
- **Linux Command Line for You and Me (LYM Book)**
- DGPLUG Summer Training Manual
 - **IRC on the Web**
 - **Blogging and Writing: A three part series**

Work Experience

Janusworx

Thane, India

PROPRIETOR (ROVING IT CONSULTANT)

2003 - Present

- My own consultancy mark, I set up, in order to provide specialized consultancy services (sales, pre sales support and systems integration) to small & medium businesses as well as IT companies lacking such skills — be it deploying common app(s) across multiple operating systems or interfacing between the end user and various solution providers, so that the client has a single, reliable, point of contact for all their needs
- Working as outsourced CTO and pinch hitting middle manager, has garnered me impressive levels of organization, and the ability to make the most of available resources
- Major Highlights:
 - Managing an entire region as General Branch Manager for Best Practice Washrooms in 2013/14
 - Designed the IT structure for Lakme India Fashion Week 2003 - India's premier annual fashion event
 - A project with Aquarius Computer Services for ADLABS, the movie chain, in order to deploy servers and centralize services across their locations

Compaq Computer India Pvt. Ltd.

Mumbai, India

SENIOR CSE

2000 - 2003

- Growing from a normal customer support engineer into one of the foremost pre-sales tech reps for hand-held and mobile technology in India in the short span of three years and growing with the first ever COMPAQ owned mobile service center in Mumbai from its inception
- Gained valuable experience working in a professional MNC environment, as well as being part of and leading a team

Aquarius Computer Services

Mumbai, India

SENIOR CSE

1996 - 2000

- Helping develop end to end IT solutions for small to medium businesses
- Troubleshooting and Maintaining networks of different shapes, sizes and network operating systems (NT, Netware, Linux) at various sites

Professional Certifications & Courses

COURSES: **PROFESSIONAL PYTHON TRAINING, REUVEN LERNER**

UNIVERSITY OF MICHIGAN: **XSERIES PROGRAM CERTIFICATE IN DJANGO**

- 2021 **Web Application Technologies and Django**
- 2021 **Building Web Applications in Django**
- 2021 **Django Features and Libraries**
- 2021 **Using JavaScript, JQuery, and JSON in Django**

UNIVERSITY OF MICHIGAN: **POSTGRESQL SPECIALIZATION**

- 2021 **Database Design and Basic SQL in PostgreSQL**
- 2021 **Intermediate PostgreSQL**
- 2021 **JSON and Natural Language Processing in PostgreSQL**
- 2021 **Database Architecture, Scale, and NoSQL with Elasticsearch**

Skills/ Keywords

Back-end	Django, Python, Nginx
Front-end	HTML, CSS, Javascript (jQuery)
Database	PostgreSQL, SQLite
Scripting	Bash and utils, Python
Operating Systems	Fedora, CentOS, RHEL, Ubuntu, Mint, FreeBSD, MacOS, Windows, Netware
Markup and Documentation	Markdown, Pandoc, \LaTeX , RST
Meta	Test Driven Development (TDD)

Writing

- Learning about Cross Site Request Forgery (CSRF) Protection in Django
- Models in Django (and heuristics for creating optimal models)
- Python Advanced Objects (ABCs, Context Managers, Properties and Descriptors)
- Iterators and Generators in Python
- Python Comprehensions
- Miniflux Fails to Start at Boot

Education

Indira Gandhi National Open University

BACHELORS IN ARTS (ENGLISH/HISTORY)

Delhi, India

2020 (Ongoing)

National Institute of Open Schooling, Delhi, IN

H.S.C

Delhi, India

2019

Institute of Computer Studies

DIPLOMA, ASSEMBLY LANGUAGE PROGRAMMING

Thane, India

1997

Indian Technical Education Society

DIPLOMA, COMPUTER HARDWARE

Mumbai, India

1996