

Jatin Tripathi

CONTACT

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CAREER OBJECTIVES

Been active in development for a while, now I aspire to become a Solutions Architect, building intelligent and scalable systems supporting distributed and clustered architectural paradigm.

TECHNICAL SKILLS

- Programming Languages and Frameworks
 - Python
 - Django/Flask
 - Twisted
 - Node.js
- Database Tools
 - PostgreSQL
 - MongoDB (Document-Oriented Database)
 - Elasticsearch (Search and Analytics)
- Platforms
 - Docker (v. 1.6+)
 - Ubuntu (v. 14+)
 - AWS
- Networking and Telecommunication Tools
 - TCP/IP Networking
 - HTTP Routing (RESTful API)
 - AMQP (RabbitMQ)

WORK EXPERIENCE

Balance Technologies

Nov 2017 — Present

Software Developer

- Working on next-gen spend analysis bot
- Creating and managing Backend systems for Balance.tech application. Writing API using Flask(Python framework), and doing functional programming for creating various components and tools essential for application.
- Developed caching engine for high throughput API and maintaining/documenting a reliable framework for key-value assignment.
- Created a failover system for long-running backend jobs with minimum to no repeated transactions, using reliably distributed workflows.

GetCult.com (YMS Mobitech)

May 2016 — Present

Backend Architect

- Designed and developed an automobile safety solutions application measuring real-time data from vehicle's universal OBD port and sending it for backend analysis on TCP/IP protocol.
- Developed Twisted TCP server for OBD data consumptions.

- Engineered stand alone Python microservice with django ORM and Postgresql
- Designed Frontend API using Django Framework

Intex Technologies

December 2015 — April 2016

Assistant Engineer

- Part of Intex IT Infrastructure Operations Team
- Deployment and maintenance of Central Servers(Database, Antivirus and Firewall), VDI and Switches

API Gateway Microservice

January 2016 — March 2016

Independent Opensource Project

Working as a first layer of clustered microservices application, it provides initialization of user experience by authenticating and authorizing to use other end microservices by reverse proxying all the request to appropriate services.

Github link: <https://github.com/JatinTripathi/api-gateway>

Editor Microservice API

January 2016 — February 2016

Independent Opensource Project

This is an end microservice application giving the functionality of online text editor with four basic functions,

- Saving the written part
- Persisting the saved part after consecutive saves
- Publishing the articles for feeds
- Sending the written article to search microservice

Github link: <https://github.com/JatinTripathi/editor-service>

Search Microservice API

February 2016 — Present

Independent Opensource Project

This is an Elasticsearch application indexing all incoming data of articles applying mapping(Schema) on it then adding it in Index(Database).This Microservice will use native Elasticsearch client for Node.js which makes it very easy to intergrate. There are four major parts in this application,

- Mapping
- Indexing
- Searching
- Suggesting

Github link: <https://github.com/JatinTripathi/search-service>

Analytics Engine

April 2016 — Present

Independent Opensource Project

Developing an analytics engine using Elasticsearch for data processing and Node.js for API.

Single Propellor Drone

August 2014 — March 2015

Engineering Project

Engineered a single propellor flying drone with concise balance and moderate range, using technologies like

- Arduino nano (as microcontroller)
- ATmega168 (as microprocessor)
- Bluetooth (for smartphone networking)

EDUCATION

B.Tech (Electronics and Communication)

Aug 2011 — June 2015

ABES IT Group of Institute

- Completed with 63% aggregate.
- Passed Intermediate with 73% From CBSE Board.
- Passed High School with 84% From CBSE Board.

INTERESTS

- Machine Learning
- Writing
- Badminton