Niranjan Singh

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Stackoverflow: https://stackoverflow.com/users/2203133/bak2trak

A Software Developer with 4+ years of strong experience in Python. Proficient in Web/Software development, building scalable products, handling massive datasets and developing interactive dashboards for BI applications. Experience in working with Agile methodologies, CI/CD and TDD.

Technical Expertise

Language: Python, C, C++, Java
Database: Postgres, MongoDB, Redis
Web: Django, Flask, Angular JS, Spring
Broker: RabbitMq, Kafka
Task Queue: Celery
DevOps: Docker, Kubernetes, AWS EC2, AWS S3, Nginx, Apache, Gunicorn
Editors: Vim, Nano, sublime, pyCharm, Netbeans, Visual Basic
Other Technology/ **Tools**: Elastic Search, Web Scraping, Kibana, Jira, Git, BitBucket, Trello

Professional Experience

Senior Software Developer - Backend
AasaanJobs Pvt. Ltd. (**OLX Group**) : Digitizing recruitment industry for entry level blue/ grey collar jobs.
June 2019 - Present

- Building and designing microservices architecture from a monolithic one.

Senior Software Developer - Backend
Seynse Technologies Pvt. Ltd. : Fintech firm engaged in building digital lending product (Loansingh).
April 2016 - May 2019

- **Inhouse logger** (A Python library to log in desired format which enabled better visualisations/ stats via kibana across systems.) - https://pypi.org/project/easy-Django-logger/
  - Written Python library from scratch, built over Python-logger where data points to be logged can be configured in Django settings.
  - Function logger decorator - Logs input/ output of a function (Capable of masking selected parameters e.g: username, password, token etc.)
  - Configurable Mail logger which mails logs to admins.

- **Laxmi** - A real time funds transfer service/ platform.
  - Payment integration (IMPS/ NEFT/ RTGS) with multiple partner banks.
  - Integrated other services with Laxmi via API/ Queues to enable transfer funds via desired payment methods.
  - Developed capability of processing multiple requests simultaneously, using celery eventlet.

- **Mock Engine** (Framework that mocks client system)
  - This framework hijacks request made to clients and generates corresponding mocked responses to unit tests and for test environments. It made development process independent from the availability of client systems and also provide a consistent interface to target releases.

- **Lender Integration**
  - Integrations with multiple lenders (Financial institutions) APIs for seamless automated customer creation and loan booking process which reduced the turnaround-time from 1-2 days to 30-40 minutes.

- **Funds-flow** (System which reconciles flow of money in-out system.)
  - Dashboards to manually map transactions to batches and upload sheets, which helps operations team to reconcile quickly in case of any inconsistency in system.
  - Integration with bank to automate NEFT transactions via file system to Escrow account.

- **Pennydrop**
  - A probabilistic model to detect fraudulent customer bank details. It returns confidence (%) about the customer being authentic. This service manages to detect 93% fraudulent customers.
  - A RESTful service to host this model, where other services can drop a rupee to end user's bank account and get his details and confidence score.

Software Developer
Flatchat - Platform to find ideal flatmates, according to preferences.

November 2015 - March 2016
- Design and developed backend RESTful API's using Django framework.
- Web page development and integration of multiple chat login option for partners and their assistants, to chat with multiple users.
- Developed Web crawling engine to fetch data and populate it on an interactive dashboard for marketing and operations team.
- Handled deployment and server management.

Software Developer (**Systems Integration**)
Deloitte USI Consulting Pvt. Ltd.

Jan 2015 - October 2015
- Designed and developed web pages using apex oracle tool.
- Development of a web application that aggregate tasks and stories of different bug management tools like TestRail, jira and represent it using different graphs for analysis.
- Worked in Spring, Junit, jsp, for developing a transportation web based application.
- Automated SOAP response using Python script, which fetched 1 million records and removed data dependency from client side.

Internship
TechHue

May 05, 2013 to July 20, 2013
- Worked on UI using Blender and photoshop to design 3D and 2D models for android game.

Education
Masters in Computer Application, 2012 - 2015
CGPA: 7.69 (First Class with Distinction)
National Institute of Technology Calicut, Kerala, India