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NITHEESH M N

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EMPLOYMENT

Senior Software Engineer	**Paanini (Jiffy.ai)**	**November 2019 - Present**

- Build a microservice for converting different XML data formats to one single JSON structure and converting JSON back to XML and containerized using Docker. Communicated with other microservices running in docker using data mount[**Python, Flask, Docker, docker-compose**]
- Build a microservice for a rule extraction(template extraction) module for document processing (PDF) using the training data collected from the user. It tries to find out some rules and extract the information using the rule. [**Python**]
- Build a microservice for workflow and activity mechanism for invoice processing. [**Java, Spring Boot**]
- Build a service called "functionator" that will execute a series of python functions and give final and intermediate results

Software Engineer	**Option3.io**	**July 2018 - October 2019**

- Optimized and reduced the DB queries in the application by 60% to the actual using Django's query optimization techniques. [**Django, Python**]
- Build a module to process the output of a document reader to extract relevant information like fields and tables using a manually created template. This is used to extract information from PDF. [**Python**]
- Build UI for document processing module. It is a split view where the user can see the PDF on the left side and extracted information on the right side. Users can click on the PDF and extract information. [**Javascript, BackboneJS, SplitJS**]

Associate Software Engineer	**Option3.io**	**Feb 2017 - June 2018**

- Build a design studio application that can be used to create Django applications. Users can add tables, forms, templates, APIs, validations, UI elements, custom scripts and build a Django app.The design studio reduced the coding required to create new applications by 80%. [**Python, Javascript, BackboneJs, DJango**]
- Build a tool to compare contract documents with NER integrated view. [Spacy, google-match-patch]
- Automated deployment of production applications in a single click action. [Nginx, Supervisor, Gunicorn, Python]

Languages and Technologies

- Programming Languages - Python, Javascript, Java(Familiar)
- Operating System - Linux
- Database - Postgres, Oracle, MongoDB
- Frameworks - Django, Flask, BackboneJS, Jquery, ReactJs, Spring boot
- Others - Nginx, Gunicorn, Git, ApacheKaraf, Avro, Docker, Vs code, Intellij, Grafana

EDUCATION

Palakkad, India	**Govt Engineering College**	**July 2011 - May 2016**

- Main coursework: Data Structures, Design, and analysis of Algorithms, Database Systems, Operating Systems, Software Engineering.

PROJECTS

- A Web Server in Python using the Socket library. [Python]
- A minimal e-commerce web application - SellnBuy. [Python, Django, Jquery]