KARTHIKEYAN KR

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SUMMARY:

A senior software engineer with 3.5 years of industrial experience in Designing, Development, Deployment and Maintenance of new back-end software applications, libraries and frameworks for Mobius. Experience building both small scripts and large systems in Python. Interact with various teams across Mobius as part of the development process. Ability to learn quickly and solve complex problems under minimal supervision.

WORK EXPERIENCE:

Designation: Senior Software Engineer
Organization Name: Mobius Knowledge Services, Chennai
Duration: Nov 2016 - till date
Duties and Responsibilities:
- Analyzing new technologies and tools required for the organization.
- Follow Agile development culture and open to perform multiple roles as demanded by the project.
- Convert the business requirements into specifications for applications and develop programming codes for the applications.

Designation: Software Engineer
Organization Name: Mobius Knowledge Services, Chennai
Duration: May 2016 - Nov2016
Duties and Responsibilities:
- Develop codes for program and get them reviewed from the seniors.
- Remove the minor program bugs and perform other troubleshooting functions.
- Participate in meetings with the seniors to learn about the project specifications and client's expectations for the software.

TECHNICAL SKILLS:

- Languages   :   Python, Core Java
- DBMS Packages   :   PostgresSQL, SQL Server, MongoDB
- Development Tools   :   PyDev, Eclipse, VS Code, SVN
- Operating Systems   :   Ubuntu, Windows10
- Web Services   :   HTML, Javascript, JSON, RESTful
- Python Frameworks   :   Flask, Pandas, Jinja2, Stomp, Boto3, pika, SqlAlchemy, Requests, unittest
- Services   :   AWS , Apache ActiveMQ ElasticSearch, RabbitMQ
- Web Server   :   Apache2, Apache Tomcat

EDUCATION QUALIFICATION:

- **B.TECH** in **Information Technology** (2012-2016) from **Ponjesly College of Engineering, Nagercoil with 7.47%** CGPA.

- **HSC** from **Hindu Vidyalaya, Marthandam** with**79.1%** aggregate.

- **SSLC** from **Hindu Vidyalaya, Marthandam** with **78.6%** aggregate.

PROJECT PROFILE:

- **ScrapeWorks.**

Description: A web application used to manage customer's crawl requests. They can either run the existing bot or request for new bot. A web application is developed using **python Flask** and components were developed to run the bots. **RabbitMQ** was used to create communication between web app and components. **ElasticSearch** is used to dump the log files. **PostgresSQL** is used for data management.
Ref: https://www.scrape.works

- **Data Studio.**

Description: Data Studio is a data integration and orchestration platform that quickly delivers recent, valid and enriched data for direct consumption by enterprises, empowering them for faster and effective decision making. Web Service for this platform is developed using **Python Flask** framework, while its functional operations were developed using **Java. PostgresSQL** is used for data management.
Ref: https://www.mobiusservices.com/products-and-platforms/platforms/data-studio

SKILLS AND QUALIFICATIONS:

- Strong **Python** skills, in addition to development using **agile** techniques, **test-driven** development, and Object Oriented programming concepts.
- **Mentor** and provide **technical leadership** to junior members of the team.
- Basic understandings of front end technologies, such as **JavaScript**, **HTML** and **AJAX**.
- A strong understanding of common web development techniques, e.g. **REST, JSON** etc.
- Familiarity with Object Relational Mappers like **SqlAlchemy** and **JOOQ**.
- Have used **JIRA / Redmine** and other collaboration tools in a team environment .
- Integrated Payment gateway system(**PayPal**).
- Experience with Amazon Web Services like **EC2**, Lambda, API Gateway, **S3**.
- Experience using system tools, **source control** systems like **SVN**.
- Includes **unit tests** for feature areas to achieve established **code coverage** targets .
- Experience providing Continuous Integration solutions using tools such as **Jenkins** .
- Proficient in **Linux**, including scripting and **deployment** of applications.

Place: Chennai.   **(KARTHIKEYAN KR)**