

Karthikeyani S

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Designation: Software Engineer

Total Years of Experience: 2+ Years [September 2021 to Till Date]

PROFESSIONAL SUMMARY:

- Over 2+ years of IT Experience in design, development, testing, and implementation of various stand-alone and client-server architecture based enterprise application software in **Python** on different domains.
- Good experience in developing web applications implementing Model View Control architecture using **Django and Flask** web application frameworks.
- Experience in **Object Oriented Analysis** in developing **server-side and front-end frameworks** using various design patterns.
- Skilled experience in Python with proven expertise in using new tools and technical developments (libraries used: libraries- Paramiko, requests, urllib3, etc) to drive improvements throughout the entire software development lifecycle.
- Strong expertise in the development of web-based applications using **Python, HTML, XML, CSS, JavaScript, JSON and JQuery**.
- Having experience in **Agile** Methodologies, **Scrum** stories, and **sprints** experience.
- Good knowledge of web services with protocols **SOAP** and **REST**.
- Experienced in working with server-side technologies including databases, restful API, and MVC design patterns.
- Special skills in the development of effective, user-friendly web applications. Experienced in requirement gathering, Use case development, Business Process flow, and Business Process Modeling: extensively used UML to develop various use cases, class diagrams, and sequence diagrams.
- Knowledge about setting up Python REST API Framework using **Django**.
- Having good knowledge of using NoSQL databases like MongoDB.
- Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, and triggers using relational databases like MySQL Server
- Hands-on experience in **Network Configuration** by using Python.
- Good domain knowledge in Load Balancer spaces. Worked in different vendors like **F5 (LTM, GTM), and AVI (SLB, GSLB)**.
- Good work experience in various DNS management platforms like **Infoblox, Bluecat**.
- Good work experience with Firewall device vendors (**Fortinet, Palo Alto**) and Firewall Managers (**Fortigate, Panorama**).

- SSL Certificate lifecycle Management Using Python(Create, Renew, Revoke and install certificates on various vendors) Automation. Worked in various certificate authorities like (**DigiCert, Google CA, MS Enterprise, MS Standalone, GoDaddy, Trust wave, and Symantec, Entrust**).
- ITSM tool configuration using python. Vendors like **ServiceNow, JIRA**, etc.

SKILLS:

- **Web Design:** HTML, CSS, JavaScript
- **Programming Language:** Python
- **Frameworks:** Django, Flask, REST API
- **Database:** SQL, MongoDB
- **Office Tools:** Postman, Excel, Word, PowerPoint
- **Operating Systems:** Linux, Windows
- **IDE's:** Pycharm, Sublime Text, Notepad ++
- **Version Control:** GIT, GITHUB

EXPERIENCE:

Organization: AppViewX Inc

Designation: Software Engineer

Period: September 2021 - Till date

PROJECT:

Project Name: Network Configuration

Project Description:

Orchestrated GSLB, DNS, Load-Balancing, Firewall, WAF, certificate, Network, ITSM, and notification services are leveraged in the multi-cloud infrastructure.

Roles & Responsibilities:

- Developing different Django Apps (Self Service Forms) for different network configuration use cases for each client.
- Provide Rest API support for these apps by using Django Rest Framework.
- F5/AVI Load Balancer use-cases: (1. Get/Create/Modify/Delete LTM Objects VIP, Pool, Monitor, Profile, IRule, etc. 2. Create/Modify/Delete GTM Objects WIP, Pool, GTM Server and Monitor, Topology Records)
- DNS Management (Get/Create/Modify/Delete different DNS records like A, Host, PTR, CNAME, MX, SRV, AAAA)

- Firewall Configuration (Get/Create/Modify/Delete Firewall rules, policies, address, address groups, etc).
- Complete certificate life cycle Management(Create/Renew/Revoke/Push to end devices/Certificate expiry alerts) by communicating with different certificate authorities.
- Integrate industry-leading ITSM and notification services into automation workflows.
- Integrate the ticketing and governance of DevOps service requests with ITSM tools like SNOW.
- Expose a catalog of service requests for certificate lifecycle management.
- Responsible for gathering requirements from PO, providing time estimation, preparing Functional specs, coordinating with technical team and delivering the same.
- Responsible for handling and developing new Work Orders based on the priority.

ACADEMIC PROFILE:

Degree / Course	Institution	Board/University	Year of Passing	Percentage
B.E (CSE)	University College of Engineering	Anna University	2021	7.8(CGPA)
HSC	Adharsh Vidhyalaya Matriculation Higher Secondary School	Matriculation	2017	94%
SSLC	CKK Matriculation Higher Secondary School	Matriculation	2015	98%

Date:

Place:

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