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**Professional Summary:**

* Around 7 years of experience as a Web/Application Developer and coding with analytical programming using **Python**, **Django**, **Java**, **React JS**
* Experience in all phases of Software Development Life Cycle (SDLC)-Waterfall, Agile Process across various workflows (Requirement study, Analysis, Design, Coding, Testing, Deployment and Maintenance) in Web & Client/Server application development.
* Extensive experience in developing web applications using **Python**, **Django**, Flask frameworks.
* Experience in working with several **python** libraries including Beautiful soup, **Numpy**, matplotlib, SciPy, PyQt.
* Hands-on experience with industry-standard IDEs like PyCharm, Jupyter Notebook.
* Expertise in **React JS** framework to develop the SPA
* Strong knowledge in **Java**/J2EE, JDBC, JSP, Servlets, **Java**Script, JQuery, JQ-Grid, Ajax, Web Services
* Experienced **React JS** and working with React Flux architecture.
* Experience in using **React JS** components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
* Experience with SQL, JDBC and Spring JDBC Template
* Experience in building isomorphic applications using React.js and Redux with **GraphQL** on server side.
* Experience in working with **GraphQL** queries and use Apollo **GraphQL** library.
* Familiar with creating Custom Reusable React Components Library.
* Experience using JDBC and ORM frameworks such as Hibernate
* With strong DB knowledge and design skill, be familiar with SP, JDBC, O/R Mapping tools
* Expertise in full life cycle application development and good experience in Unit testing and Test-Driven Development (TDD) and Behaviour driven Development (BDD).
* Involved in resolving complex problems and systems.
* Having experience with Heroku Connect to sync Salesforce data.
* Exposure to callouts from salesforce to call external process on Heroku.
* Strong design and development experience in J2EE and Web technologies including JSP, Servlets, JDBC, RabbitMQ, SOA, OSGI Bundles, Service Mix, Apache Camel Routing, SOAP and REST, JAX-WS Web Services and REST with Metro stack and Apache CXF, XML SAX/DOM/STAX Parsers GWT, CSS,HTML, DOJO.
* Install and configuration of Web hosting administration HTTP, FTP, **SSH**, RSH.
* Experience in Developing Spark applications using Spark - SQL in **Databricks** for data extraction, transformation and aggregation from multiple file formats for analyzing & transforming the data to uncover insights into the customer usage patterns.
* Expert in setting up **SSH**, SCP, SFTP connectivity between UNIX hosts.
* Migration of users from non-secure FTP protocol-based servers to more secure SFTP, FTPS, HTTPS based servers.
* Developed integration with OAuth 2.0
* Developed integration with Google APIs (Google Drive, Google Directory)
* Responsible for deploying apps into Google App Engine
* Experience with an in-depth level of understanding in the strategy and practical implementation of **AWS** Cloud-Specific technologies including EC2, EBS, S3, VPC, RDS, SES, ELB, EMR, CloudFront, Cloud Formation, Elastic Cache, Cloud Watch, Cloud Trail, RedShift, Lambda, SNS, DynamoDB, **AWS** Import/Export.
* Experience in **AWS** cloud infrastructure database migrations, **PostgreSQL** and converting existing ORACLE and MS SQL Server databases to PostgreSQL, MySQL and Aurora.
* Experience in Building S3 buckets and managed policies for S3 buckets and used S3 bucket and
* Glacier for storage and backup on **AWS**.
* Experience with Snowflake Virtual Warehouses.
* Experience in using XML, SOAP, and REST web Services for interoperable software applications.
* Experience in Agile development processes ensuring rapid and high-quality software delivery.
* Proficient in Statistical Modelling and Machine Learning techniques (Linear, Logistics, Decision Trees, Random Forest, SVM, K - Nearest Neighbors, Bayesian).
* Knowledge on Hadoop ecosystem, HDFS, Map/Reduce functionality, also worked on processing large data sets using pySpark library in **Python** applications.
* Well versed with Agile, SCRUM and Test-driven development methodologies.
* Experience in handling errors/exceptions and debugging issues in large scale applications.
* Highly motivated, dedicated, quick learner and have proven ability to work individually and as a team.
* Experience with general system delivery and DevOps and automation frameworks, including one or more of the following: Docker, Kubernetes, and **Ansible**.

**Skill Set:**

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| **Programming Languages** | **Python**, **JAVA**, C#, C++, SQL, COBOL |
| **Query Languages** | SQL, PL/SQL |
| **Operating Systems** | Windows Vista/XP/7/8/10, Linux, Unix, OS X |
| **Deployment Tools** | **AWS** (EC2, S3, ELB, RDS, Glue), Heroku, Jenkins, Azure |
| **Web Development** | CSS, HTML, DHTML, XML, **Java**Script. Angular JS, jQuery, AJAX, JDBC, Servlets. |
| **Web Servers** | WebSphere, WebLogic, Apache |
| **Python Framework** | **Django**, Flask, Web2py and Bottle, Pyramid, Swagger, RabbitMQ, **Numpy** |
| **Bug Tracking Tools** | Jira, Bugzilla, Junit |
| **Databases** | Oracle 11g/10g/9i, Cassandra 2.0, MySQL, SQL Server RC 2008, Data Warehousing |
| **Cloud Computing** | Amazon EC2/S3, Heroku, Google App Engine, Azure |
| **Methodologies** | Agile, Scrum and Waterfall |
| **IDEs** | Sublime Text, PyCharm, Eclipse, NetBeans, |

**Education:**

* **Bachelor of Engineering in Computer Science in 2014 from Sathyabama University.**
* **Master’s in Computer Science in 2019 from University of Texas at Arlington**

**Client: Progressive Insurance**

**Location: Remote (Mayfield, OH)**

**Date: Jan 22 to till date**

**Role: Sr. Python, Full Stack Developer & AWS**

**Responsibilities:**

* Involved in all the phases of **SDLC** including Requirements Collection, Design & Analysis of the Customer Specifications, Development and Customization of the Application.
* Utilized **Python** libraries like **Numpy** and **Matplotlib** for generating graphical reports.
* Created S3 bucket in the environment to store files and configured S3 bucket with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Designed and Developed **REST Webservices** to interact with various business sectors and used SOAP protocol for webservices communication.
* Developed and tested many features for dashboard using Flask.
* Handled operations and maintenance support for **AWS** cloud resources which includes launching, maintaining and troubleshooting EC2 instances, S3 buckets.
* Developed backend of the application using Flask framework
* Developed and maintained parsing modules, which read **CSV, XML** and **JSON** data from files and other REST services, processed the data.
* Worked on object-oriented programming (OOP) concepts using **Python, Django**, and **Linux.**
* Worked on AJAX framework to transform Datasets and Data tables into **HTTP-serializable JSON** strings.
* Wrote and executed various MYSQL database queries from **python** using **Python** MySQL connector and **MySQL DB package.**
* Used **GIT** for loading and pushing source code and used **Jenkins** for continuous Integration for the GIT repository.
* Responsible for debugging the project monitored on **JIRA.**

**Environment: Python** 3.8, **AWS** SQS, **AWS** CloudWatch, **AWS** Glue, **AWS** ECS, **AWS** S3, Jenkins, Slack, PyTest, Docker, GitHub, JIRA, **Numpy**

**Client:** **Monsanto**

**Location: St Louis, MO**

**Date: Aug 2019 to Dec 2021**

**Role: Sr. Python Developer**

**Responsibilities:**

* Worked with a team to transform legacy applications into a serverless applications
* Involved in building database Model, APIs and Views utilizing **Python**, to build an interactive web-based analytical solution.
* Used **Django** configuration to manage URLs and application parameters.
* Used **AWS EFS** service to manage large geospatial data sets and ingested data into **AWS** Glue service to transform unstructured data into structured data.
* Experience in Open Telemetry **Python** SDK to collect and generate the application data for creating metrics and logs.
* Implemented clustering and classification machine learning algorithms on geospatial data
* Implemented serverless architecture for web-based analytical application using API Gateway, Lambda service and DynamoDB
* Created several Lambda functions and configured them to receive events from datasets collected in S3 buckets
* Hands-on experience working with large datasets and Deep Learning algorithms using **PySpark** and **TensorFlow**
* Analyzed the SQL scripts and designed it by using **PySpark SQL** for faster performance
* Hands on experience in creating **Docker** containers and Docker consoles for managing the application life cycle
* Used Hadoop ecosystem tools like Apache Kafka with zookeeper, Spark and data bricks for real-time analytics streaming

**Environment**: **Python** 2.7/3.3, **Django**, PyQt, **AWS**, Kafka, PySpark, Azure Databricks, Redshift, Apache Web Server, **Python** SDK, MySQL, **AWS** QuickSight, Linux, Docker, **React JS**

**Client: Leslie's Poolmart**

**Location: Phoenix, AZ**

**Date: Jan 2019 to July 2019**

**Role: Python Developer**

**Responsibilities:**

* Designed and developed the server module and resolved issues and responsible for its enhancements.
* Architected and developed **Python** and **Django** for the backend development and front-end application using **React**, **Webpack**, **Redux**, and **PostgreSQL** for the database.
* Worked on **DjangoORM** module for signing complex queries.
* Defined different **Django API** profiling techniques for faster rendering information.
* Used **Ansible, Vagrant**, and **Docker** for managing the application environments.
* Developed **Python** scripts for testing the car functioning on different services.
* Worked with **Splunk** for testing the performance and debugging server level problems.
* Implemented various Validation Controls for form validation and implemented custom validation controls using Object Oriented **JavaScript**.
* Used **React JS** in components like JSX, creating React components, Virtual **DOM, React Props**, Lifecycle methods, working with the React States and Events.
* Developed Restful Micro Services using Flask and **Django** and deployed on **AWS** servers using **EBS** and **EC2**.
* Developed views and templates with **Django** view controller and template to create a user-friendly website interface.
* Worked on **Django** and **RabbitMQ** queues.
* Used Circle CI for continuous integration and delivery platform over **GIT**.
* Used **DjangoMigrations** for designing and expanding of the database.
* Automated most of the daily task using **python** scripting.
* Involved in the CI/CD pipeline management for managing the weekly releases.
* Worked on **Jira** for managing the tasks and improving the individual performance.
* Making recommendations to the team in terms of appropriate testing techniques, shared testing tasks.

**Environment**: **Python** 2.6/2.7, **Java**Script, **Django** Framework 1.3, CSS, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server. GitHub, **Ansible**, HTML5/CSS, PostgreSQL, Amazon Web Service (**AWS**).

**Client: Cybercinatics Private Ltd**

**Location: Visakhapatnam, IN**

**Date: Sep 2016 to Nov 2017**

**Role: Python, Full Stack Developer & AWS**

Scope here was to design & develop applications that range from Server-Side Rendering developing in **Django** MVT Architecture and using **Django** Template language to create dynamic **Django** Templates as well as Full Stack Development to optimize large high-volume websites using Single Page Applications in Angular and distributing server loads to the browser. These applications would typically require notifications to be sent to their users, which was achieved by triggering a lambda function by use of **Python**’s boto3 library, which would parse a JSON payload into a message to be sent using **AWS** SES.

**Roles & Responsibilities:**

* Participated in Daily **SCRUM meetings** with the **development teams** in an **AGILE environment** and **developed scripts** in **Python** for **AWS.**
* Used **Django frameworks**, **Django’s built-in ORM**, and **Django MVT architecture**, including **web request structure, models, session management, URLs, caching,** and **Deployment.**
* Developed **views** and **templates** with **Python** and **Django view controlle**r and **templating language** to create a user-friendly **interface** using **MVT architecture.**
* Deployed using **AWS S3 buckets** as both **storage** and **content delivery**, and created more **complex systems** requiring **Lambda Functions, RDS/Dynamo DB modeling** and integration, **EC2 deployment** using **pre-configured Ubuntu AMIs, and VPC** and **Route 53 configuration.**
* Created **Database modeling** using **normalization** for **improved performance** and **prepared statements** for **security.**
* Used DAO and JDBC for database access.
* Created custom JSP Tag libraries for use in JSP pages.
* Designed and developed the End points (controllers), DAO Layer using JDBC template.
* Experience in developing the following **Spring** modules: IOC, Webservice, **JDBC JMS** templates
* Implemented authentication schemes in both frontend and backend using **Django JSON Web Token (JWT) Authentication, Session Authentication, sessions, cookies,** and **local storage.**
* Developed **Angular Modules**, and **Services** to deploy as a **Dynamic** **Single Page Application** for **websites** with **high volume** by distributing the backend load requests from **Server** to the **Angular Client** to optimize **website performance**.
* Created **organized** and **modular cod**e in **JavaScript/TypeScript** by **pairing Objects** and **Functions to create Constructors** that can **mimic Object Oriented Programming.**
* Passed **data** in **Angular 2+** between **controllers** and **views** using **Interpolation, Pipes,** and **Angular built-in Directives.**
* Utilized **Data binding, Component communication,** and **Dependency Injection** for improved efficiency and modularity.
* Improved **Routing** with **route wildcards** to ensure **pages** are **not empty** and used **Route Guards** to prevent **unauthorized user access**.
* Passed **data** from **nested child components** to the **parent component** using the **@output decorator** and **event emitter** using methods that the **parent component listens to** and backfrom **child components** to **parent component** using **ViewChild()**.
* **Collaborated** with **team members** using **JIRA** Software for **project** and **issue tracking,** and **Code Commit** and **Code Pipeline** for **CD/CI.**
* Wrote **Python scripts** to integrate **AWS Lambda functions** between **AWS SNS/SES** and **web applications.**
* Configured **Domain** and **subdomains** through **AWS Route 53.**
* Configured and integrated **S3 buckets, Dynamo DB,** or **MySQL** in **RDS** on a **per-project basis.**
* Configured and monitored **load balancers** and **auto scalers.**

**Environment**: **Python**, PyCharm, Angular, **AWS** EC2, Lambda, S3, MySQL, Workbench, Dynamo DB, **Java**Script/TypeScript, Angular Material, HTML, CSS

**Client:** **Indi Technologies Private Ltd**

**Location: Visakhapatnam, IN**

**Date: June 2014 to Aug 2016**

**Role:** **Python, Full Stack Developer**

Project scope here was to design & develop “**Rental Management Solution”**; I was tasked with designing the **Django models**, as well as the **Django REST API**, which would pass its **contents** using **JSON** to the **Angular frontend** serving as a **Single Page Application**. **Said API** supported all 4 **CRUD** operations **(GET, POST, PUT, DELETE)** and was tested using **Postman.** Software-related reminders such as upcoming **rental expirations or invoices** were **triggered** by **Lambda functions** and sent to managers through **AWS SES. Version Control** was done through **GitHub**, while **JIRA Software** was used for **bug tracking** and **project management**. **Black box** and **White Box** were used as **unit testing** techniques. I was also tasked to write **SQL queries**, which retrieve past rental information and compile business reports on equipment usage and expenses. The system’s **business logic** ran on an **AWS EC2** pre-configured **Ubuntu AMI** integrated with an **RDS MySQL** instance to **store business data (rentals, invoices, equipment, etc.)**, while **styling sheets** and **images** were stored and served through an **S3 bucket** for high availability.

**Roles & Responsibilities:**

* Effectively attended meetings with clients to understand their business needs and develop applications.
* Attend **Daily standup meetings** with other developers and project lead, on a **two-week sprint basis**.
* Design and develop **Models** in **Django REST Framework** using **concepts** of **OOP, Views** using **Angular** and **Controllers.**
* Create **CRUD queries using prepared statements** and use **Django’s built in ORM** for **integration** of **MySQL database** for **data storage.**
* Develop **RESTful API** using **Django REST Framework** to pass **JSON/JWT Tokens** to connect **Endpoints** between the **Django Backend application** and the **Angular HttpClient Service Module.**
* Created **RESTful APIs** using **Django’s REST Framework** to allow **controlled access** and **modification of data** by **external applications**.
* Worked on several types of **Relational Databases** such as **SQLite, MySQL, and Oracle, and NoSQL Databases** such as **MongoDB** and **Dynamo DB.**
* Used **JSon Web Tokens**, **Oauth2, Serializers**, and **MySQL prepared statements** to **optimize** and **secure** the back end and **CSRF token** to secure **Django Forms**.
* Created styling in **Angular** using **Attribute Directives (NgClass, NgStyle), Angular Material, Bootstrap, HTML, CSS.**
* Used tools like **Postman** to test **RESTful CRUD operations** before integration.
* Collaborated with **team members** through **JIRA** for **bug tracking** and **pushed code** to **GitHub for version control.**
* Configured **Apache** on **Ubuntu EC2 instances** for **Django project deployment** as well asusing **AWS** with **EC2,** creating **Lambda Functions, SNS** and **SES,** and **Route 53.**
* Used **AWS storage** with **S3 buckets, RDS,** and **Dynamo DB.**
* Use the **Angular CLI,** a **command-line interface tool,** to **initialize, develop, scaffold,** and **maintain Angular applications** directly from a **command shell.**
* Optimize **website performance** using **Angular** on the **front end** using **Angular’s** **Dynamic Single Page Application capabilities to reduce calls to the backend.**
* Used **ES6** **class keyword** to create classes in **JavaScript/TypeScript** paired with a **constructor method** that is called to **mimic object-oriented programming** when a new variable is set to the constructor method creating a **new instance.**
* Manage **Asynchronous Web Services written** in **TypeScript/JavaScript** for the **Angular frontend** using **Design Concepts** like **Promises, Observables, Higher Order Functions, Arrow functions, Async Await,** and **Callback Functions.**
* Create **Web Services** in **Angular** using the **HTTP Client Service Module** and assign **Asynchronous streams of data** into **Observable Objects** that are later **injected into Angular Components** using **Dependency Injection.**
* Design and develop frontend logic using **Pipes, Directives, Modules, Routing, and Services** in **Angular 8 Framework.**
* Design applications in **Angular** using **interpolation, property binding, event binding,** and **2-way binding, Ng Directives, life-cycle hooks,** and **dependency injection** to create **reactive and template driven forms**.
* Use **front end technologies** for **styling** like: **Angular Attribute Directives** like **Ng Style,** and **Ng Class, Angular Material,** and **HTML, CSS, Bootstrap, JavaScript,** and **TypeScript**
* Perform **Unit testing** of individual applications through **white** and **black box testing.**
* Collaborate with **team members by pushing code** to **GitHub** branches for **version control** and using **JIRA Software** for **bug tracking.**
* Conduct Deployment of project on **AWS EC2** for processing, **RDS MySQL** and **S3** for storage, and **SNS/SES** for messaging.

**Environment: Python**, PyCharm, **Django**, **Django** REST, Postman, SOAP web services, MySQL, Workbench, Angular 8, **AWS** EC2 and RDS