**HEMA CHANDRAN Email:** [**chandrubluecloud@gmail.com**](mailto:chandrubluecloud@gmail.com)

**Python Developer Cell: 802 949 0054**

**Professional Summary:**

* Around 8 years of experience as a python Developer and web/Application with analytical programming using Python and Django.
* Experienced with full Software Development Life-Cycle (SDLC), architecting scalable platforms, Object Oriented Programming.
* Experienced in developing web-based applications using Python, Django and HTML.
* Working with various Python Integrated Development Environments like (IDE) PyCharm, Spyder.
* Performed troubleshooting of bugs and provided solutions to restore functionality.
* Experienced in installing, configuring, modifying, testing and deploying applications.
* Hands on experience on TCP/IP packets doing packet Tracer.
* Interactive network protocol analyzer and capture utility with Wireshark.
* Skilled in debugging/troubleshooting issues in complex applications
* Exceptional ability to work independently with a team of Python coders.
* Experienced in Windows, MYSQL, Python and Linux.
* Building and Installing servers through ARM Templates for Azure Portal.
* Hands-on technical experience and seasoned Azure Infrastructure and migration to Azure.
* VPN solutions in Azure with the help of Network Security Groups, public and private network configurations.
* To serve the organization with the best of my technical skills and abilities by utilizing me educational and professional knowledge and competencies acquired by me in my academic career and professional experience.

**Technical Skills:**

|  |  |
| --- | --- |
| * Windows Server * Active Directory * Hardware & Networking * TCP/IP, DNS, DHCP * Windows 7, 10 | * CISCO packet tracer * Wireshark * Microsoft Azure * Python (IDE, PyCharm) |

**Education:** BS in computer science, Vel’s Institute of Technology- 2010

**Professional Certification:**

Implementing Microsoft Azure Infrastructure Solutions (70-533 certified)

Cisco Certified Network Associate (CCNA) (Routing and Switching CCNA 200-125)

**Professional Experience:**

**Smart Sky Network, Sterling, VA Nov 2018 – Till Date**

**Python Developer**

**Description:**

The project is based on aircraft Wi-fi access in flight for checking the flight signal, from one tower to other tower and the internet access with LTE for the customers to use the internet with high speed with 4k quality in an AIRCRAFT. Aircraft base radio (ABR) is according to the International Telecommunication Union's Radio Regulations a land station in the land mobile service. The term is used in the context of mobile telephony, wireless computer networking and other wireless communications and in land surveying. ABR device using router for increase correct frequency to get full access for Aircraft.

**Responsibility:**

* Experience with Python development under Windows OS.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly to interface to perform in a high-level. Signal to work in two different devices (ADAURA Channel connector and ABR aircraft base radio).
* Performed troubleshooting, fixed and deployed many Python bug fixes of the main applications that were sources of data for both devices and Lab.
* Responsible in Working with various Python integrated development environments like PyCharm, Idle.
* Integrating the application with Django REST framework for building the API's.
* Django configuration to manage URLs and application parameters.
* Extensive experience working in Object Oriented Programming.
* To find the (LTE\_RR) Signals using Wireshark in ADAURA channel.
* Knowledge in TCP/IP, UDP/IP, DNS, DHCP to network protocol in Wireshark.
* Working on SQL stored procedures that are used to access that data and deploy to SQL server database.
* Used Angry IP Scanner for facilitates IP address and port scanning
* Maintain inventory of computer supply and networked shared computers.
* Performance tuning on Windows system, Linux, mac software& hardware Configure, network and storage devices.
* Conduct monthly inventory of all hardware and software licenses.
* Arranged maintenance sessions to determine and resolve inefficiencies
* Performed daily system monitoring, verifying the integrity and availability of all hardware, server resources, and systems.

**Environment:** Restful API, Django, PyCharm, Wireshark, Network (LTE\_RR).

**Regions Bank, Birmingham, AL Aug 2017 – Oct 2018**

**Python Developer**

**Description:** Regions Bank and financial services holding company. The bank's primary businesses include deposits, lending, credit cards, trust and investment services. Through its various subsidiaries, the company provides corporate and investment banking, securities brokerage, mortgage and insurance products, capital market services and wealth management.

**Responsibilities:**

* Developing Python Framework using Django to perform scan software unit monitoring.
* Built Web application using Python, Django, HTML and template languages.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Responsible for debugging and troubleshooting the web application.
* Built Web application using Python, Django, Flask, JavaScript, HTML and template languages
* Experience in Application Development and Object-Oriented Programming Analysis and design.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the main applications that were sources of data for both customers and internal customer service team.
* Responsible in Working with various Python integrated development environments like PyCharm, Idle.
* Extensive experience working in Object Oriented Programming using Perl language.
* Knowledge in TCP/IP, UDP/IP, Active Directory Infrastructure, DNS, DHCP.
* Interactive network protocol analyzer and capture utility with Wireshark.
* Experience in Microsoft Azure cloud platform and merge with python
* Worked on Firewall tickets to deal with low, medium and high priority issues.
* Interfacing with supervisors, artists, systems administrators, and production to ensure production deadlines are met.

**Environment:** Python, Django, PyCharm, Idle, MYSQL, HTML

**Kinderd Health, Louisville, KY Oct 2016 - Jul 2017**

**Python Developer**

**Description:** The project is to Develops the Portals and Apps for the Kinderd health. Electronic Health Record (EHR) based worked for Cloud computing technology that to create a data to store and access through a remote server to been stored in cloud with using Microsoft Azure merge to cloud to store and increasing more security for the data to store in cloud. Sourcing and maintaining IT infrastructure for store, transfer, modify or print data and reports to transfer data to a Universal access. And company offering a next-generation technology to improve the expertise and accuracy of World-renowned medical facilities. The users can make selections from various dropdowns. The portals also provide information on the latest medical facilities.

**Responsibilities:**

* Developed views and templates with Python and Django & view controller and templating.
* Suggested technical advisory procedures for software development program for Python.
* Proficient in SQL databases MySQL, and MongoDB.
* Using Encrypting key and Decryption Key to protect the data in a cloud
* Implemented and tested python-based web applications interacting with MySQL.
* Expertise in Continuous test/integration/deployment and help Developing backend services for applications.
* Implement load balancing designs based on service requests and responsible for documentation, monitoring, troubleshooting, and evaluation of network and infrastructure systems Support projects including Design, Development and Implementation.
* Load Balancing implementations of solutions to client applications, including HTTP, HTTPS, SSH, FTP & providing global DNS design solution & successful implementation.
* Experience in Database design/Stored Procedure/SQL development.
* Developing Frontend web applications using React JG
* Used GIT as Source control repositories with regular code reviews and pull/merge requests.

**Environment:** Python, Django, CSS, HTML, MYSQL, MongoDB, Azure cloud.

**United Airlines, Chicago, IL Jan 2016 – Sep 2016**

**Python Developer**

**Description:** United Airlines is a leading airline company. It is based on passenger's information management which information applied to travel and customer satisfactions. It was acquiring, analyzing information to provide quality passengers satisfactions. With the widespread computerization of records, provided quality services and responsibilities. The project is to build the self-service business term search engine for the next generation data management.

**Responsibilities:**

* Created a Python/Django based web application using Python scripting for data processing
* Developed shopping cart for Library and integrated web services to access the payment.
* Designed and developed a horizontally scalable APIs using Python Flask.
* Involved in Developing a Restful service using Python Django framework.
* Converted Visual Basic Application to Python.
* Developed the Drag and Drop functionality using React-Draggable.
* Implemented monitoring and established best practices around using elastic search.
* I used mongo DB stores data as documents in a binary representation.
* Developed object-oriented programming to enhance company product management.
* Responsible for debugging and troubleshooting the web application.
* Developed views and templates with Python view controller and templating language to create a user-friendly website interface.
* Determined problems, solved them and precisely documented progress of the project.
* Involved in entire lifecycle of the projects including Design, Development, and Deployment,

**Environment:** Python, Django Framework, MySQL, Adobe Dreamweaver, MongoDB, Lambda.

**Bank of America, West Trenton NJ Jun 2015 – Dec 2015**

**Python Developer**

**Description:** Worked on a customer support application serves to build clients and services covering the entire customer life cycle to help with Account details, subscription details, user details, Credit score, security, content search, credit card change details, recent statements, Loans, manage calls and help site services chat with us, contact customer service, etc.

**Responsibilities:**

* Built application logic using Python application.
* Used Python based GUI components for the front-end functionality such as selection criteria.
* Developed monitoring and notification tools using Python.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, JavaScript
* Used HTML/CSS and JavaScript for UI development.
* Implemented the presentation layer with HTML
* Used Python scripts to update content in the database and manipulate files.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, HTML, Bootstrap, and REST API calls using the JSON.
* Integrating the application with Django framework for building the API's.
* Reviews work of both peers and more junior developers
* Good at confidential compliance checking and validation.
* Developing scripts for build, deployment, maintain and related task using Python, Bash.
* Integrate Python with data source and delivery systems.
* knowledge on IoT Strategy, standards, protocols
* Successfully migrated the Django database from MySQL with complete data integrity.
* Automated tasks with tools like Puppet and Ansible.
* Managed code versioning with GitHub, Bitbucket and deployment to staging and production servers.

**Environment:** Python, Django, RESTful API, SASS, HTML, MYSQL, GITHUB

**SIXT, Fort Lauderdale,** **FL Dec 2013 – May 2015**

**Python Developer**

**Description:** Worked for SIXT rental car Web application serves to build for clients and services covering the entire customer life cycle to help with subscription details, user details, history, credit card change details, recent activity, Customer service and help site services like, Roadside Assistance, chat with us, contact us.

**Responsibilities:**

* Built application logic using Python, used the Django Framework to develop the application.
* Utilized PyQt to provide GUI for the user to create, modify and view reports based on client data.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML.
* Integrating the application with Django REST framework for building the API's.
* Using Django evolution and manual SQL modifications was able to modify Django models while retaining all data, while site was in production mode.
* Creating Restful web services for Catalog and Pricing with Django, MySQL and Oracle.
* Managed code versioning with GitHub and deployment to staging and production servers.
* Design, Coding and Development of the application. Actively participated in Analysis and design phases.
* Setting up and introducing Continuous Deployment processes and advising on best practice
* Taken part in entire lifecycle of the projects including Design, Development, and Deployment and Implementation and support.
* Continuous improvement in integration workflow, project testing, and implementation of continuous integration pipeline with Jenkins

**Environment:** Python, Django, MySQL, PyCharm, Mongo DB.

**TDS Telecom - Madison, WI Sep 2012 – Nov 2013**

**Python Developer**

**Description:** TDS Telecom provides innovative voice, internet, entertainment services, and leading-edge business technology for customers in nationwide. Connecting customers with reliable, high-quality products and services while centering on delighting customers. This project that provide internet, entertainment services to both wireline and cable order customers

**Responsibilities:**

* Involved in the Analysis, Design and Development of the application.
* Design user interfacing using front end technologies like Java script and HTML.
* Perform bootstrap as a mechanism to manage and organize the html page layout and
* Django configuration to manage URLs and application parameters.
* Experience with Python development under Linux OS (Ubuntu).
* Working on SQL stored procedures that are used to access that data and deploy to SQL server database.
* Designing the website using the Java script Library like React.
* Using ORM with Django and MYSQL, MongoDB as database for developing the web application.
* Using DRF's serializer for interacting middleware and front-end of application and optimizing the code.
* Deployment to the production and development environment using SSh and following step like copying the settings file running the bash script to run the application.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website for interface to perform in a high-level.

**Environment:** HTM, JavaScript, SQL, Python, MongoDB, React, MYSQL.

**CAI Logistics - Portland, OR Nov 2011 - Aug 2012**

**System Administrator**

**Description:** My work to handle company System problems and to improve systems performance and each one is essential for the continued running in windows Server. Am part this team to keep the company’s network safe and running efficiently and I need to check goods are delivered on time. And filing documents, tracking orders with suppliers and clients, entering data into specialized software, managing a base of accounts. Eligible example resumes showcase a high school diploma and several years of logistics experience.

**Responsibilities:**

* + Managed computers, laptops, printers, routers, switches and existing network applications.
  + Experience in Configuring and Troubleshooting of Desktop Environment.
  + Good in installing Microsoft Window Operating Systems (7 thru10), knowledge in windows server
  + Coordinating with vendors for hardware and software applications for workstations.
  + Supported all LAN, WAN and other networking systems.
  + Performed quarterly audits for the purpose of improving efficiency of systems.
  + Used Angry IP Scanner for facilitates IP address and port scanning
  + Maintain inventory of computer supply and networked shared computers.
  + Performance tuning on Windows system, Linux, mac software& hardware Configure, network and storage devices.
  + Conduct monthly inventory of all hardware and software licenses.
  + Arranged maintenance sessions to determine and resolve inefficiencies
  + Performed daily system monitoring, verifying the integrity and availability of all hardware, server resources, and systems.
  + Install, implement, and configure new PC equipment, software and Troubleshooting skills
  + Troubleshoot Active Directory and Web-server hardware and software test routine system
  + Recommend, schedule, and perform software and hardware upgrades, patches and reconfigurations

**Environment:** TCP/IP, Server, Hardware and Software, Linux, windows 7-10.

**Kalaignar TV. India Mar 2009 – Oct 2011**

**System administrator**

**Description:** My job is to install; upgrade and monitor software and hardware and I need to be involved in data backup and recovery. Maintain the essentials such as operating systems, business applications, security tools, email, PCs hardware and software.

**Responsibilities:**

* Worked in a TV Commercial’s: The nature of the work varies according to location and whether it is based in television, radio or media.
* Maintaining specialist equipment for video production, broadcast and satellite transmission and interactive media.
* Setting up, operating editing and monitoring audiovisual links between units in different locations for in post-production suites and Setting up and facilities.
* Keeping up to date with the industry and changes in technology by building and maintaining a network of contacts and investigating new systems and techniques.
* Provide technical assistance and support for incoming queries and issues related to computer systems, software, and hardware

**Environmental:** Windows 7 thru 10, Mac, Editing Machine, Jimmy maintenance