

Ram Chandra B

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WORK EXPERIENCE

Python Developer, Cloud5 Solutions Inc., NJ: March 2023 - Present

- Developed a Python-based data analysis tool for internal teams, reducing manual processing time by 30% and improving reporting efficiency.
- Used Python libraries such as Pandas, NumPy to transform and manipulate large datasets, enabling data-driven insights for decision-making.
- Built a web application using Django, leveraging Python's web development capabilities for a robust and scalable solution.
- Integrated Python scripts with existing systems to automate workflows, streamlining operations and reducing manual errors.
- Leveraged Python's machine learning libraries like sci-kit learn to build and deploy predictive models for business insights.

Python Developer, Eidiko System integrators, NC: July 2022 - March 2023

- Designed scalable REST APIs with Gin, integrating them with Python-based data processing services to provide dynamic functionality.
- Employed Python for data pre-processing and model building, feeding results into Golang services for high-performance delivery.
- Implemented error handling and logging in Golang, utilizing Python scripts for log analysis and alerting.
- Wrote automation scripts using Python to streamline testing and deployment of Golang microservices within a CI/CD pipeline.
- Contributed to a distributed messaging system using Kafka, and Python for data validation and transformation before consumption by Golang services.

Software Engineer, Tata Consultancy Services, Chennai, India: May 2020 - August 2021

- Built responsive UIs with ReactJS, interacting with a Python Django backend for a seamless user experience.
- Contributed to the development of a Python-based recommendation engine, generating personalized content for frontend display.
- Implemented Python-based REST APIs, providing data endpoints for frontend components to consume and display dynamically.
- Utilized Python scripts for frontend build optimization, automating tasks like minification and asset bundling.
- Collaborated with backend developers to define API contracts, ensuring efficient communication between Python and JavaScript layers.

TECHNICAL SKILLS

Programming Languages: Python (3.7+), Golang, Java, JavaScript, HTML, CSS, SQL

Web Frameworks: Django, Flask, Gin Rest Frameworks, React.js, Vue.js, Tailwind CSS

Web Technologies: Web Services, HTTP, Docker, Kubernetes, Terraform, Ansible, Jenkins, Postman, Kafka, CI/CD

Testing Frameworks and Databases: PyUnit, PyTest, SQLite3, PostgreSQL, MongoDB, Elastic Search, Redis

Libraries: Asyncio, boto3, NumPy, Pandas, scikit-learn, Matplotlib, Seaborn, psycpg2, PySpark, PyTorch, Selenium

Other Skills: AWS, Data Structures, Distributed Systems, Multi-tasking, System Design, Design Patterns

Certifications & Accomplishments: AWS Cloud Practitioner, AWS Solutions Architect Associate (In Progress)

EDUCATION

Master of Science: Data Science, University at Buffalo, The State University of New York, February 2023

Bachelors of Technology: Computer Science, Hindustan University, Chennai, India, April 2020

PROJECTS

Applications Hub: Django Rest Framework, React.js, Celery, Redis, AWS

- Designed a secure web app for student submission management, featuring RBAC, JWT authentication, and streamlined workflows. Employed Celery and Redis for efficient background processing and caching.

Tutorflow.info: Django Rest Framework, React.js, AWS

- Built a social Q&A platform enabling users to post/answer questions, follow discussions, curate favorites, and control privacy settings.