Chandra Bhavirisetty

Edison, NJ | +1 (732) 655-6811 | ramchandra.info | linkedin.com/in/chandra26/ | chandrabhavirisetty@gmail.com

WORK EXPERIENCE

Full-Stack Developer, Dell Technologies, NY: March 2023 - Present
- Led the migration of a critical internal application from Python to Go using the Gin framework, achieving a 40% performance boost and improved concurrency and memory management.
- Optimized API performance by leveraging Go's concurrency model and Gin's lightweight design to handle a 2x increase in concurrent requests with minimal resource usage.
- Leveraged Gin's advanced routing, middleware, and data handling features to ensure efficient and secure API operations.
- Implemented Goroutines and channels, replacing the Asyncio library, threads, and queues, for improved efficiency and responsiveness.
- Addressed project roadblocks, proposed innovative solutions and motivated the team to overcome challenges.
- Collaborated closely with cross-functional teams and Documented changes throughout the migration process.

Python Developer, Eidiko System integrators, NC: July 2022 - March 2023
- Designed and developed high-performance RESTful APIs using Django REST Framework and Python, forming a robust backend foundation, React js and Redux for building responsive design.
- Automated 30% of manual testing tasks using Python scripts, improving development efficiency.
- Employed Redis for data caching, achieving an average reduction of 50% in database query times and a 20% improvement in overall application performance.
- Leveraged agile methodologies and fostered open communication within the development team.

Software Engineer, Tata Consultancy Services, Chennai, India: May 2020 - August 2021
- Developed and maintained a highly scalable monolithic web application utilizing Vue js for frontend components, Django REST Framework for APIs, and MongoDB, a NoSQL database.
- Delivered a cohesive web app using Django, exceeding user expectations through cross-functional collaboration. Possess trading knowledge.

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, psycopg2, 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, Anna University, Chennai, India, April 2020

PROJECTS

Applications Hub: Django Rest Framework, React.js, Celery, Redis, AWS
- Designed and built a secure web application for a client, managing student submissions such as semester extension requests. Utilized role-based access control, JWT authentication, and SOLID principles for code maintainability. Integrated Celery for background tasks and Redis for caching and message queuing.

Tutorflow.info: Django Rest Framework, React.js, AWS
- Created a feature-rich website that allows users to post questions, answers, add follow-up responses, bookmark favorite questions, express preferences through likes or dislikes, and control question privacy settings (public or private).