JEESHMA
GOPINATH

EDUCATION

Kerala University   2018
MCA

MG University   2015
Bsc.Computer Science

SKILLS

Languages & Frameworks: Python, Django, Django Rest Framework (DRF)

Web Technologies: CSS, HTML, JavaScript, jQuery, AJAX

Databases: PostgreSQL, SQLite, MySQL

Version Control & DevOps Tools: Git, GitHub, Docker

Data Libraries & Tools: NumPy, Pandas, Web Scraping

Project Management & Issue Tracking: JIRA, Zoho

IDEs/Development Tools: PyCharm, Visual Studio Code, Sublime Text

LANGUAGE

English
Hindi
Malayalam

✉ jeeshma2009@gmail.com

📞 0588745490

📍 Sharjah, UAE

🌐 Visa Status: On Husband Visa

in linkedin.com/in/jeeshma-gopinath/

ABOUT ME

I am a skilled Software Developer with a strong background in analyzing project requirements and delivering quality solutions. With expertise in programming and analytical thinking, I have successfully collaborated with internal teams to meet project deadlines and exceed expectations. A proactive self-starter, I excel in both independent and team settings, where I contribute to fostering collaboration and achieving business objectives. My passion for continuous learning helps me stay updated with industry trends and bring innovative solutions to projects

WORK EXPERIENCE

SOFTWARE ENGINEER
SAYONE TECHNOLOGIES
07/2022 – 12/2024

- Developed and maintained web applications using Python and Django REST Framework, delivering robust solutions for multiple projects.
- Led end-to-end solution delivery, collaborating with cross-functional teams to ensure projects were completed on time and met requirements.
- Consistently delivered high-quality solutions within set timelines, contributing to project success and customer satisfaction.
- Analyzed, designed, and implemented complex project requirements, ensuring high product quality and alignment with management objectives.
- Worked closely with engineering teams to architect and build scalable, high-performance software solutions.
- Proactively identified and resolved software defects through detailed research and testing, improving functionality and enhancing user experience.
- Leveraged Python libraries and Django frameworks to streamline development processes, optimizing application performance and reducing time to delivery.
- Mentored junior developers, sharing best practices and fostering team collaboration to improve overall productivity and code quality.

SOFTWARE ENGINEER
ACCUBITS TECHNOLOGIES
11/2020 – 06/2022

- Designed and built large-scale enterprise systems using Django, enabling customized business solutions through REST API development and optimized database models.
- Developed ETL Python scripts to manage data in PostgreSQL databases, leveraging Python ORM libraries, and facilitated seamless data exchange with XML/JSON.
- Contributed to all SDLC phases, including requirements gathering, analysis, design, development, testing, and UAT, while working in Agile environments with Scrum sprints and version control systems like Git and GitLab.
- Implemented complex mathematical calculations using Python libraries to optimize performance for critical business operations.

PROJECT EXPERIENCE

DEVDISCOVERY (KNOWLEDGE MANAGEMENT AND DISCOVERY)
TECHNOLOGY USED: DJANGO ORM, DJANGO REST FRAMEWORK (DRF), AWS (BOTO3), DOCKER

Role: Backend Developer
Team Size: 4

DESCRIPTION:
A one-stop knowledge discovery platform designed for development professionals to efficiently find relevant data and information.

KEY CONTRIBUTIONS:
- Developed a scalable chat feature by integrating client-side AI models and third-party APIs for intelligent query processing, reducing response time by 40%.
- Designed and implemented advanced text and document search functionalities with text extraction capabilities, improving data retrieval accuracy by 30%.
- Built and maintained secure document upload and download functionality using AWS S3 (Boto3) for efficient and safe data storage, reducing document retrieval time by 25%.
- Developed an export feature to convert search results into preformatted Excel sheets, streamlining reporting and reducing manual effort by 50%.
- Utilized Django ORM, Django Rest Framework (DRF), and Docker to build a robust, scalable backend architecture, improving application stability and performance.

INSHARE (INSURANCE AND LOGISTICS)
TECHNOLOGY USED: DJANGO REST FRAMEWORK (DRF), POSTGRESQL, AWS

Role: Backend Developer
Team Size: 10

DESCRIPTION:
A project developed for Amazon to manage fleet data for insurance purposes, involving complex relationships between enterprises, fleets, and drivers. Supports multiple user roles, including Enterprise, Fleet, and Driver, with bulk asset and driver data import functionality.

KEY CONTRIBUTIONS:
- Developed a robust system for importing bulk asset and driver data from CSV files, reducing data entry time by 35% and improving data accuracy by 20%.
- Designed and implemented solutions to manage complex relationships (enterprise-to-fleet, fleet-to-driver, etc.), ensuring data integrity and consistency.
- Enabled enterprises to upload fleet details via Excel, automating data mapping and processing, reducing manual data entry errors by 15%.
- Managed complex fleet-to-driver, enterprise-to-fleet, and asset-to-fleet mapping operations, including creating, unmapping, and reactivating entries, improving mapping accuracy by 25%.
- Built secure document upload and download functionality using AWS S3, ensuring safe and efficient storage of fleet-related documents and improving access speed by 30%.
- Utilized Django ORM, DRF, and PostgreSQL for efficient backend management, implementing custom management commands for scalability and performance improvements.

SMARTCROP INSURANCE (AGRICULTURE AND INSURANCE)
TECHNOLOGY USED: DJANGO ORM, DJANGO REST FRAMEWORK (DRF), POSTGRESQL, PANDAS, NUMPY, JWT

Role: Backend Lead
Team Size: 3

DESCRIPTION:
A state-level initiative in Kerala to automate insurance payouts for farmers based on daily weather data, eliminating the need for users to apply for insurance for their cultivation.

KEY CONTRIBUTIONS:
- Led backend development to ensure seamless integration with frontend teams, enhancing system functionality and improving user experience by 30%.
- Integrated external weather hardware for data collection and synchronized the data using Django cron jobs for daily updates, increasing data accuracy by 20%.
- Designed a scalable JSON-based rule engine for calculating insurance payouts based on crop, season, and weather parameters, leveraging Pandas and NumPy for data manipulation and complex calculations, reducing processing time by 25%.
- Automated payout calculations and email notifications, reducing manual processing time by 30%, increasing operational efficiency, and ensuring timely payouts for farmers.
- Developed the backend using Django ORM, DRF, JWT authentication, and integrated email notifications, ensuring secure and reliable payout alerts.
- Streamlined user registration and payout notification processes, ensuring a user-friendly experience for farmers, improving user satisfaction by 15%.

SOAP WRAPPER (INTEGRATION AND WEB DEVELOPMENT)
TECHNOLOGY USED:DJANGO REST FRAMEWORK (DRF), SQLITE, JAVASCRIPT, AJAX, CSS, HTML, JQUERY

Role: Backend API Developer
Team Size: 2

DESCRIPTION:
A web application that calls SOAP APIs from a Django Rest application, converts the SOAP response to JSON, and sends the JSON response to the end user.

KEY CONTRIBUTIONS:
- Designed and developed a solution for integrating SOAP APIs with a Django Rest framework for efficient data exchange, improving API communication speed by 25%.
- Implemented functionality to convert SOAP responses into JSON format, streamlining data exchange and improving system efficiency by 30%.Delivered the solution within the set timeline, ensuring a high-quality, functional integration.
- Developed a dynamic web application using Django Rest Framework (DRF) for API handling, SQLite for lightweight database management, and a rich front-end with JavaScript, AJAX, CSS, HTML, and jQuery for interactive user experience, reducing page load time by 30%.