Naveen Chandramouli Sargam

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Professional Summary:

Django developer with 3+ years of experience crafting user-centric applications that deliver impactful results. Led development of Intelliwiz, a comprehensive facility and security management platform, reducing emergency response times by 40% through features like work permits and incident reporting. Further optimized performance by launching the app on Google Cloud with Dockerized Django, achieving a 70% faster deployment. Eager to contribute expertise in back-end development and API development to a collaborative team.

Skills:

Methodologies Aware: Waterfall, Scrum and Rapid Application Development.
Languages: Python, JavaScript, SQL, HTML, CSS3, Jinja 2, Django Template Language.
Softwares: Git, Django, REST, GraphQL, PostgreSQL, Celery, Redis, Bootstrap, Kubernetes, Docker, MQ.
Principles Aware : 12 Factor App, DRY, KISS, SOLID and YAGNI.

Experience:

Software Developer | SPS (erstwhile Youtility Technologies Pvt. Ltd.) | Jan 2021 - Present

- Led development of Intelliwiz, a comprehensive facility and security management app for tasks, tours, route plans, attendance, conveyance, assets, checkpoints, locations and tracking.
- Implemented critical features like work permits reducing permit processing time by 50%, preventive maintenance programs extending equipment lifespan by 40%, incident reporting and an SOS function improving response time to emergencies by 70%.
- Orchestrated the construction of a user-friendly dashboard utilizing Apex.js and JavaScript, enabling swift access to key metrics for stakeholders, leading to a 30% improvement in operational efficiency and cost savings.
- Architected APIs for seamless communication between mobile clients and server, collaborating closely with the mobile app development team.
- Engineered a server load management system with Celery, Redis, and Message Queue to enhance app performance; decreased average response time by 50% and improved user experience, resulting in 20% increase in daily active users.
- Removed the dependency of java for Reporting server instead created python reporting software.
- Managed a junior development team in the implementation of a log tracking application.

Key Achievements:

- Achieved a faster and more efficient deployment for Intelliwiz by launching it on a Google Cloud instance using Dockerized Django. This approach reduced deployment time by 70% compared to traditional methods.
- Optimized report generation process by creating and implementing serverless automation scripts, resulting in a 40% reduction in time spent on manual report generation tasks, equating to approximately 15 hours saved per week
- Developed services using GraphQL and RabbitMQ to integrate smoothly with a Flutter mobile app.

Education:

M.G.M College of Engineering and Technology | Mumbai University

- Bachelor of Engineering in Computer Science (Feb 2016–Mar 2020)

Projects:

1. **Intelliwiz** (May 2021–Aug 2023)

- Intelliwiz: A feature-rich platform for streamlining task execution, optimizing asset and checkpoint management, and facilitating route and tour planning.
- Implemented a comprehensive ticketing system, work permits process, PPM tool, incident reporting system, and SOS functionality, streamlining operations and reducing response time by 40%
- Developed an interactive dashboard to display statistical information in numbers and charts which enables monitors to take quick decisive actions.
- Admin can monitor the ongoing route patrolling in Google Maps embedded inside the web app.
- Deployed on Google cloud instance a dockerized Django app.
- **Technologies Used**: Python, Django, Geo-Django, GraphQL, Postgres, Redis, Celery, JQuery, Bootstrap, Gunicorn, Nginx. Docker, Docker-compose, Mosquitto MQ.

2. Serverless reporting (Sep 2020–Jan 2021)

- Developed a fully Pythonic reporting tool for generating analytical reports in different formats.
- Implemented context-aware form presentation based on user-selected report exports (download or email).
- Enabled report scheduling with customizable frequencies (monthly, weekly, daily, Cron expression based.).
- **Technologies Used**: Python, Jinja2, Weasyprint, Pandas, Xlsxwriter, Bootstrap, Celery, jQuery.