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AJAY DUBEY

Software Development Engineer

SUMMARY

Results-driven Software Engineer with a strong background in developing and deploying scalable solutions in service-based and product-based environments. Skilled in leading programming teams, DevOps initiatives, and creating innovative Proof of Concepts (POCs). Experienced in developing and automating workflows using various technologies, managing DevOps pipelines for seamless CI/CD, and implementing best practices in the software development lifecycle. Proficient in designing and deploying microservices architecture, REST APIs, and efficient system designs, with a focus on improving team efficiency and solving complex technical challenges.

KEY SKILLS

DevOps Engineering & Automation | CI/CD | Pipeline Development | Cloud Infrastructure & Deployment (AWS, GCP, Azure) | Containerization (Docker, Kubernetes) | Monitoring & Logging (Prometheus) | Python Development & Scripting | API Development (FastAPI, Flask, Django) | Database Management (PostgreSQL, MongoDB) | Microservices Architecture | Security & Compliance in DevOps | Performance Optimization & Troubleshooting | Unix/Linux Administration

TECHNICAL SKILLS

Programming Languages: C, C++, Visual Basic, Python

Web Design: HTML5, CSS, JavaScript

Database: My SQL, MS SQL Server

DevOps & Automation: CI/CD Pipelines, Docker, Docker swarm, AWS

Tools & Platforms: Git, JIRA, VS Code, Postman, NGINX, Apache

PROFESSIONAL EXPERIENCE

Software Engineer | Python Lead

Jul '22 - Present

.Kreate Technologies

Delhi, IN

- Experienced Software Engineer with expertise in developing and deploying scalable solutions in **service-based and product-based** environments.
- Proven track record in **leading programming teams**, **DevOps initiatives**, and creating innovative Proof of Concepts (POCs).
- Developed and automated workflows** using **WhatsApp Meta API**, **GraphQL bots**, and full-scale **SDLC Selenium architecture** for seamless integration, testing, and service-based requirements.
- Led the development of products using **Django**, **Flask**, and other modern technologies.
- Built and maintained full-stack applications with **frameworks like React, Node.js, and PHP**.
- Managed **DevOps pipelines to enable seamless CI/CD and optimized** cloud deployments.
- Improved team efficiency by implementing **best practices in the software development lifecycle** (SDLC).
- Designed and deployed **microservices architecture**, **REST APIs**, and efficient system designs.
- Demonstrated expertise in **frontend-backend integration with scalable and robust designs**.
- Solved complex **technical challenges**
- excelled in team leadership.
- Designing, developing & **installing software** solutions and developing **high-quality** software design and architecture
- Providing solutions by determining and designing system specifications, standards, and **programming** via J2EE
- Allying with agents and peers during the entire **SDLC process** as part of ensuring timely **delivery of release cycles**

Application Development & Coding

- Assisting in developing flowcharts, layouts, diagrams, code comments, and clear code and documenting the same for the seniors
- Developed tools and 4+ **applications** by producing clean & efficient code and supervising **code testing** & debugging

Stakeholder Management & System Improvement

- Collaborating with vendors and **cross-functional teams** to fix & improve products and automating tasks through appropriate **tools & scripting**
- Documenting development phases & **monitoring systems** and ensuring software is up-to-date with the latest technologies

Operations Management

- Determining operational feasibility & proposing solutions by **assessing analysis**, problem definition, requirements, etc.
- Improving **operations by 17%** by conducting systems analysis and recommending changes in policies & procedures

Representative Operation

Dec '20 - Jul '22

Concentrix Daksh Services INDIA Pvt Ltd

Bengaluru, IN

- Supported and managed **client-based products**, ensuring smooth operations and satisfaction.
- Delivered **high productivity** while maintaining **exceptional quality standards**.
- **Analyzed workflows** to identify areas for improvement.
- Voluntarily implemented necessary changes to enhance client projects.

EDUCATION

PG Diploma in Software Development

Dec '20 - Jan '22

IIIT Bangalore & upGrad

Bengaluru, IN

- **Course modules:**
 - Fundamentals of Programming Language | Basic Data Structures (python) | Abstraction and Encapsulation
 - Inheritance and Polymorphism | Arrays, ArrayLists, Environment Set up | Design and Prototyping
 - Integration and Testing | SDLC and Agile Methodology | Algorithm Analysis + Recursion
 - Stacks & Queues | Advanced JavaScript | Web development frameworks (React) | DevOps | MVC Architecture

Bachelor of Computer Applications (BCA) with Networking

Jun '12 - May '17

Galgotias University, Uttar Pradesh, IN

Delhi, IN

- Secured 72%

KEY DEVELOPMENT PROJECTS

- **Automation : AI chatbots and bots | Tech Stack: Django, Flask, SQL**
 - **SLDC Selenium Bot:** Developed a bot to automate actions on a portal.
 - executing specific bot-driven tasks **data scraping, monitoring, data uploads.**
 - **POC Project for AI Document Analysis: frontend and backend** for an international client's **Proof of Concept (POC)** project, integrating an **AI model** to read documents, give actionable
- **Domain: Python & META GRAPHQL | Web: GRAPHQL, PYTHON**
 - **REDFx Chatbots (WhatsApp & App):** Created a chatbot using **Meta API** and **WebSocket** to enable clients to share crucial information across multiple platforms.