

Mukund Biradar

Senior Python Developer | Full Stack Engineer | Automation Expert

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Professional Summary

Experienced **Senior Python Developer & Consultant** with **12 years** in back-end development, automation, and cloud technologies. Skilled in **Python, Django, Flask, Fast API, RESTful API's, and CI/CD**. Expertise in **Docker, Ansible, AWS and database management**. Passionate about **system optimization, DevOps, and scalable solutions**. Open to opportunities in **Germany or EU** (relocation possible).

Career Highlights | Profile Snapshot

- **Python Experience:** 7+ years of experience in the construction of high-performance scalable web applications with a strong back-end focus.
- **Relational Databases (SQL):** Skilled in designing, optimizing, and managing PostgreSQL, MySQL, Oracle, and SQLite for efficient data handling.
- **Docker-Based Micro-services:** Designed and deployed Docker-based microservices, improving scalability and deployment for critical web services (Apache/Nginx).
- **CI/CD & Automation:** Expertise in CI/CD pipelines (GitLab, Ansible) for automated deployments, unit testing and seamless software integration.
- **Infrastructure & Collaboration:** Worked closely with teams to enhance system infrastructure, ensuring optimal alignment with development needs.
- **Troubleshooting & Issue Resolution:** Strong problem-solving skills in identifying and fixing technical issues, reducing downtime and improving reliability.
- **Development Methodologies:** Hands-on experience with Agile, Jira , Kanban with iterative software development.

Education

- (M.Sc) University of Pune**, Master's Of Computer Science May 2009 – May 2011
- **Course :** Computer Architecture, Learning Algorithms, .NET, Functional Programming, OOPs, Databases, Advanced Networking, Data Structures.
- (B.Sc) University of Pune**, Bachelor's Of Computer Science May 2005 – April 2009
- **Course :** Data Structures, RDMS, Mathematics, Statistics, OOPS so on.

Experience

- Leibniz-Rechenzentrum (LRZ)**, Researcher | Senior Python Developer München, Deutschland
April 2023 – June 2024
- Dedicated professional with expertise in embedded systems, HPC, FDM, and system integration.
- Expert in Python with strong experience in Java, Spring Boot, and TypeScript.
 - Hands-on experience with GitLab, Jira, Docker, and Ansible, focusing on CI/CD, test automation, and workflow optimization.
 - Skilled in data management, metadata creation and managing technical infrastructure for high-performance computing (HPC) projects
 - Proficient in designing and deploying secure, efficient cloud solutions and integrating with European Data Spaces through REST APIs

Abacus Staffing & Services Pvt Ltd(IBM Bangalore), Python Lead

Bangalore, India
July 2022 – February 2023

- **Team Leadership & Mentorship:** Led development teams, ensuring efficient project execution and collaboration.
- **Automation & Optimization:** Developed Python scripts for workflow automation, bulk document creation, and GitHub issue management.
- **Security & Compliance:** Implemented automation to uphold high security, compliance standards, and data integrity.
- **Server & CI/CD Automation:** Configured servers, centralized log monitoring with Ansible, and managed CI/CD pipelines using Git, GitHub Actions.
- **Development & Project Management:** Proficient in Python, Shell scripting, GitHub workflows, secure data handling, and compliance automation.

BR Raysoft Global Pvt Ltd(Intel , Infosys), Python Consultant (UI /UX)

Bangalore, India
Sept 2021 – June 2022

- **UI/UX Development:** Designed and managed intuitive user interfaces using JavaScript, CSS, and HTML within COVEO components.
- **Web Content Management:** Maintained and optimized Intel website content, including indexing, UI updates, and Information publication using multiple resources.
- **XML Data Handling:** Merged XML files, performed indexing, rebuild indexing and ensured seamless content integration for accurate data representation.
- **Agile Collaboration:** Worked closely with cross-functional teams to implement UI improvements and enhance user experience.
- **Backend & Support:** Provided backend services, analyzed software functionality, and ensured smooth system performance.

Sinomonitor International Pvt Ltd, Senior Software Engineer

Beijing, China
May 2015 – Aug 2020

- **Software Development & Optimization:** Developed and optimized web applications using Flask and Django, ensuring high performance and scalability.
- **RESTful API & Database Management:** Built and maintained RESTful APIs for PostgreSQL, enhancing data retrieval and real-time query execution.
- **Business Intelligence & Data Visualization:** Designed interactive dashboards using DeepInsight, Tableau, and Power BI for data-driven decision making.
- **Data Analysis & Processing:** Specialized in data mining, cleaning, and integrating diverse data sources for accurate reporting.
- **Collaboration & R&D Support:** Worked with R&D teams to analyze data insights, improve physical products, and develop training materials.
- **Automation & Scripting:** Automated workflows using Python and Bash scripting, improving efficiency and reducing manual work.
- **Skills:** Python, Flask, Django, PostgreSQL, MYSQL, Tableau, DeepInsight, PHP,Hadoop, MySQL, SQL Server, Data Mining, Linux, VMware.

Develop Dreamz Industries Pvt Ltd, Database Administrator (DBA)

Pune, India
Feb 2014 – April 2015

- Designed and optimized relational database schemas for high performance and scalability.
- Developed and maintained MS SQL Server, PostgreSQL, and MySQL databases, ensuring data integrity and availability.
- Implement advanced query optimization techniques to enhance database performance and reduce execution time.
- Automated database backup, recovery, and monitoring processes to ensure minimal downtime.
- Led database migration and upgrade projects, ensuring seamless transitions with zero data loss.Managed Linux server environments,optimizing database performance and security.

Psystems IT Services Pvt Ltd, Database Engineer

Pune, India
May 2012 – Jan 2014

- Designed and maintained secure, high-performance databases for industries like hospitality, healthcare, and real estate.
- Managed Linux server administration (Fedora, CentOS 5.3, RHEL 5.3), optimizing system resources and ensuring high availability.
- Developed and tested clean, efficient code for database applications, integrating intuitive UI components with CSS and Bootstrap.
- Built a booking system for Pagoda Suites with payment processing and guest management, streamlining reservations.
- Enhanced Clinical Electronic Information Management (CEIM) with secure patient record modules, ensuring compliance with data security protocols.
- Designed a CRM-based lead management system for Real Acquisitions, incorporating analytics to track customer trends.
- Troubleshoot system issues, provided technical support, and collaborated with cross-functional teams to ensure project success.

Continuous Learning & Professional Growth

- **Version Control:** Mastered Git and GitHub
- **Python Development:** Python Core and Advanced
- **Machine Learning & Data Science:** Generative AI, Data Analysis with Pandas
- **Programming Languages:** R Programming, C & C++ Programming
- **Automation & DevOps:** Python Automation Testing, Ansible, CI/CD Pipelines
- **Cloud & Infrastructure:** AWS, Alibaba Cloud, Docker, REST APIs
- **Project Management:** Kanban, Agile, JIRA
- For list of skills, course details, visit: <https://www.linkedin.com/in/mukund-biradar-15714655/>

Hobbies

- Traveling & exploring different cultures, Reading tech blogs, Photography, Listening to Music

Technologies

Backend Development: Python, Django, Flask, FastAPI, PHP, Java, TypeScript

Database Management: PostgreSQL, MySQL, SQLite, Oracle, MS SQL Server, MongoDB, Elasticsearch, Redis

Cloud & DevOps: AWS, Ali Cloud, Docker, CI/CD (GitHub Actions, GitLab CI/CD, Ansible)

API Development: RESTful APIs, GraphQL, OAuth, JWT Authentication

Automation & Scripting: Python automation, Bash scripting, Server automation with Ansible

ETL & Data Processing: Data modeling, ETL pipelines, Data transformation

Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, Jira, Confluence

Testing & Debugging: Unit Testing, Postman, Selenium, PyTest, Debugging tools

Software Architecture: Microservices, Monolithic architecture, MVC/MTV frameworks

Linux & Server Management: Ubuntu, CentOS, Performance tuning, Server monitoring

Security & Compliance: OAuth, SSL/TLS, Role-based access control (RBAC), OWASP security best practices

Machine Learning & AI: Basic ML model implementation, Data analysis

Business Intelligence (BI): DeepInsight, Data visualization, Dashboard creation

Ontology & Metadata Management: OWL, RDF, YAML, Homer, Data spaces integration