

BINOD PARAJULI

Experienced Python Developer with nearly 4 years of expertise in building scalable applications using Django and Python. Proficient in REST API development, cloud deployment (AWS), and containerization (Docker). Skilled in optimizing performance, automating workflows, and collaborating with cross-functional teams to deliver high-quality software solutions

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WORK EXPERIENCE

Sampark Softwares Pvt Ltd

Python Developer

Feb 2021 - Dec 2024

- Architected and deployed scalable API solutions, automating data exchange processes, increasing website uptime by 25%, and reducing error rates by 30%.
- Designed and implemented middleware for roles and permissions management, enhancing modular handling and notification systems.
- Improved data protection and security, creating innovative user information solutions to ensure system integrity.
- Maintained and optimized large databases, performed server configuration, and reduced software maintenance expenses through collaborative efforts.
- Designed and managed a new CMS using Django, leveraging Django ORM for efficient database interactions.
- Developed and maintained RESTful APIs and microservices for scalable and efficient communication across platforms.
- Collaborated on CI/CD pipeline setup to automate builds, testing, and deployments for faster delivery cycles.
- Containerized applications using Docker by creating Docker images and optimized cloud deployment processes.
- Managed and deployed scalable applications on AWS EC2 instances, ensuring high availability and optimized performance.
- Designed and implemented secure data storage solutions using AWS S3, including lifecycle policies to optimize storage costs.
- Integrated AWS Identity and Access Management (IAM) for secure access control and permissions management.
- Implemented backup and recovery solutions using AWS S3 and Glacier, ensuring data durability and disaster recovery.
- Collaborated with cross-functional teams to gather requirements, design Power BI dashboards, and deliver data driven solutions aligned with business objectives

EDUCATION

BVC Engineering College, Andhra Pradesh, India

Bachelor of Computer Science - 6.92

April 2016 - Sept 2020

University of Texas, USA

Masters in AIML

May 2024

PROJECTS

Stockone Warehouse Management System(PAN India).

- Designed a comprehensive Warehouse Management System (WMS) for Stockone Technologies, enhancing visibility into inventory and managing supply chain operations.
- Streamlined warehouse processes by implementing modules for Masters, Inbound, and Outbound operations, and enabled efficient inventory tracking with the Stock Locator module.
- Contributed to the Production module by defining BOMs and automating the conversion of raw materials into finished goods via job orders.
- Developed and managed robust APIs for seamless integration with third-party software, enabling real-time data exchange and order management.
- Utilized AWS services like EC2, S3, and CloudWatch for scalable application hosting, secure data storage, and system performance monitoring.
- Containerized the application using Docker to simplify deployment and ensure consistent environments across development, testing, and production.
- Designed comprehensive reporting tools, providing actionable insights into warehouse operations.
- Played a key role in automating and securing critical processes, driving efficiency, and scalability in warehouse management systems.

SKILLS

- **Backend Development:** Python, Django, REST API, ORM, MySQL, PostgreSQL, SQL, NoSQL
- **Frontend Development:** JavaScript, AngularJS, jQuery
- **Cloud & DevOps:** AWS(EC2, S3, IAM, CloudWatch), Docker
- **Data Science & Analytics:** Machine Learning, Power BI, Pandas, NumPy

CERTIFICATE

Dashboard In A Day

- Completed Workshop Dashboard In A Day delivered by Koenig Solutions with Microsoft Power Platform

LANGUAGE

Nepali: Native

English: Fluent

Hindi: Fluent

AWARD

Web Design Competition: BVC Engineering College

- Secured 1st position in a web design competition held at BVC Engineering College for developing an innovative and user-friendly website