

ANIL KUMAR H P

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PROFESSIONAL SUMMARY

A highly skilled and results-oriented Software Engineer with over 5 years of specialized experience in building, deploying, and managing robust backend systems using Django, FastAPI, PostgreSQL, MongoDB and AWS. Proven expertise in developing scalable microservices, architecting cloud-native solutions on AWS, and optimizing database performance with PostgreSQL. Seeking to leverage deep knowledge of the Django framework to contribute to a dynamic engineering team.

SKILLS

- **Programming Languages:** Python, JavaScript, HTML, CSS, SQL
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Frameworks:** , Django, FastAPI, Flask, Express.js, Selenium
- **Cloud & DevOps:** AWS, Docker, Kubernetes
- **Tools & Libraries:** DRF (Django rest framework), Pandas, NumPy, SQLAlchemy, boto3, Redis, celery, unittest, pytest, Jest, Jira, React.
- **Version Control:** Git (Bitbucket, GitHub, GitLab)
- **CI/CD:** Jenkins, GitHub Actions
- **Soft Skills:** Problem-solving, Team collaboration, Effective communication, Agile methodologies, Adaptability

EXPERIENCE

Career Break | Oct 2023 - Current

Took a personal career break to care for my father. During this period, I focused on professional development by successfully completing the **IBM Full Stack Software Developer certification**. I further applied and enhanced these skills by architecting and developing a personal project from scratch, a hospital management system using a **Django** and **PostgreSQL** backend deployed on **AWS**.

Ongoing Project: Hospital Management Microservices (2024 - Present)

- Architected and developed a complete microservices-based application using Django and Django REST Framework to build robust, secure, and scalable APIs.
- Utilized PostgreSQL as the primary database, designing a normalized schema and writing efficient queries to manage patient, appointment, and billing data.
- Designed for deployment on AWS, leveraging services like EC2 for hosting the Django application and RDS for managing the PostgreSQL database.
- Set up CI/CD pipelines with GitHub Actions for automated testing and deployment of the Django services.

Senior Software Engineer | Consultant - LogicHive Solutions Pvt Ltd, Bangalore, KA, IND | Jan 2021 - Oct 2023

Projects:

- **Mobile Financing App - Python (Django), Microservices, AWS (serverless), PostgreSQL**
 - Led a team in developing and enhancing a serverless microservices application built primarily with Django on AWS.
 - Engineered critical backend services using Django to handle loan processing logic, user authentication, and third-party API integrations.
 - Managed and scaled the application's PostgreSQL database using AWS RDS, ensuring high availability and data integrity.

- Implemented automated database backup solutions from AWS RDS to S3, significantly reducing data storage costs by 30%.
- **Cvat, Annotation tool (Backend) - Python, Django, PostgreSQL, Docker**
 - Led backend development using Django, introducing new features for complex data annotation workflows and integrating them with a PostgreSQL database.
 - Optimized database interactions by leveraging Django's ORM capabilities, which improved data validation and reduced errors by over 25%.
 - Wrote comprehensive unit tests for the Django application, ensuring high system reliability.

Associate Software Engineer - LogicHive Solutions Pvt Ltd, Mysuru, KA, IND | Nov 2019 - Jan 2021

Projects:

- **E-Commerce & Gaming Platforms**
 - Contributed to various backend projects, gaining foundational experience with Django, FastAPI for building RESTful APIs.
 - Developed features for an e-commerce portal, including cart functionality and payment processing, using Python frameworks.
 - Assisted in tasks that involved fetching data, processing it, and storing it in PostgreSQL and MongoDB databases.

Full Stack Software Developer - Freelancer, Mysuru, KA, IND | Apr 2018 - Nov 2019

- Specialized in building and delivering complete web applications for clients, with a focus on creating powerful backend systems using Django.
- Designed and developed responsive e-commerce applications, implementing the entire backend, including RESTful APIs for user management and order processing, with Django and Django REST Framework.
- Utilized PostgreSQL as the database for most projects, designing schemas and ensuring data persistence and performance.

EDUCATION:

Master of Computer Applications (MCA) - VTU PG Center, Mysuru, KA, IND

Graduated: Jan 2021

Bachelor of Computer Applications (BCA) - Sacred Heart College, Madanthyar, KA, IND

Graduated: Jun 2014

CERTIFICATIONS:

IBM Full Stack Software Developer: (Completed)

- <https://coursera.org/share/340d1dc1491f939ae4af1d4ce6a6c119>

AI Agents and Agentic AI in Python: Powered by Generative AI Specialization: (In Progress)

- Expected completion: Oct 2025

OTHER:

Leadership & Volunteering:

- Successfully organized the IT Forum Event as President of the IT department, overseeing event planning, coordination, and execution, while fostering student engagement and collaboration in the field of technology.
- Mentored junior developers and interns, providing technical guidance, fostering skill development, and ensuring successful project outcomes.