**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.