**ANIL KUMAR H P**  
**Senior Software Engineer**  
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**PROFESSIONAL SUMMARY**

Results-driven Senior Software Engineer with 5+ years of experience specializing in Python backend development and AWS cloud solutions. Proficient in designing scalable microservices, automating cloud infrastructure, and implementing secure payment systems. Demonstrates expertise in SDLC processes and Agile methodologies, with a proven ability to lead technical teams and deliver impactful results.

**CORE SKILLS**

* **Programming Languages:** Python, JavaScript, SQL, HTML, CSS
* **Frameworks & Libraries:** FastAPI, Flask, Django, React.js, Selenium, Pandas, NumPy
* **Cloud & DevOps:** AWS (Lambda, S3, DynamoDB, EC2, CloudFormation), Docker, Kubernetes
* **Testing & Automation:** unittest, pytest, Selenium WebDriver, TDD
* **Version Control & CI/CD:** Git (GitHub, GitLab, Bitbucket), Jenkins
* **Databases:** MySQL, PostgreSQL, MongoDB
* **Soft Skills:** Problem-solving, Team collaboration, Communication, Agile Methodologies

**PROFESSIONAL EXPERIENCE**

**Career Break  
*Self-Development, Bangalore, KA, India****Nov 2023 – present*

* Focused on learning full-stack development, including React.js, Node.js, and MongoDB, to enhance frontend and backend capabilities.
* Gained expertise in AWS services, including Lambda, DynamoDB, and S3, to design and deploy cloud-based applications.
* Built independent projects to apply new skills, including RESTful API design, authentication systems, and cloud automation.

**Senior Software Engineer**  
**LogicHive Solutions Pvt Ltd, Bangalore, KA, India**  
*Jan 2021 – Oct 2023*

* Delivered backend support and optimized AWS serverless solutions for enterprise-level applications, reducing operational costs by 20%.
* Designed and maintained ETL pipelines for data ingestion and transformation, improving data processing efficiency by 30%.
* Developed scalable microservices using Python (FastAPI, Flask), Docker, and Kubernetes, enhancing system reliability.
* Updated and enhanced CI/CD pipelines to integrate new features seamlessly, reducing deployment time by 25% and improving release efficiency.
* Diagnosed and resolved critical application issues in real-time, minimizing downtime and maintaining SLAs.
* Automated AWS infrastructure using boto3 and CloudFormation, reducing manual intervention by 40%.
* Led Agile teams, conducted Scrum meetings, and ensured timely project delivery.

**Associate Software Engineer**  
**LogicHive Solutions Pvt Ltd, Mysuru, KA, India**  
*Nov 2019 – Jan 2021*

* Enhanced backend performance by implementing asynchronous APIs and caching strategies, reducing response times by 25%.
* Streamlined payment processing with Stripe integration, ensuring secure and PCI-compliant transactions.
* Leveraged AWS services (Lambda, DynamoDB, S3) for cloud-based workflows, improving operational efficiency.
* Conducted unit and integration testing using pytest and unittest, reducing bugs and enhancing code quality.

**Full Stack Software Developer**  
**Freelancer, Mysuru, KA, India**  
*Jan 2018 – Nov 2019*

* Designed and developed full-stack web applications using React.js, Node.js, and Express.js.
* Implemented RESTful APIs for authentication, product management, and order processing.
* Optimized MongoDB data storage and retrieval strategies, improving application performance.

**KEY PROJECTS**

**User Management System***Python, FastAPI, PostgreSQL, Docker, Jenkins*

* Developed and deployed a production-grade user management system with role-based access control.
* Designed scalable, secure RESTful APIs for user authentication, registration, and profile management.
* Automated CI/CD pipelines to ensure seamless integration and deployment of updates.
* Implemented SonarQube analysis to maintain code quality and minimize technical debt.

**Mobile Device Security and Management Application**  
*Python, JavaScript, AWS Serverless, boto3, Jenkins*

* Led a team of 5 developers in enhancing a serverless microservices architecture.
* Automated DynamoDB backups to S3 Standard-IA, reducing storage costs by 30%.
* Improved application efficiency by 15% through callback feature implementation.
* Implemented caching strategies, significantly reducing data retrieval time and improving access speed for frequently used data.

**GitHub Insights**

*Python, GitHub API, FastAPI, MongoDB, Jenkins*

* Enabled users to prioritize tasks more effectively, resulting in a 30% reduction in project turnaround times.
* Increased user satisfaction by 25% through streamlined workflows and enhanced project management processes.

**Einston Lab Web App**  
*Python, FastAPI, Selenium, MongoDB, Kubernetes, Jenkins*

* Developed RESTful APIs to automate Kubernetes application deployments, reducing deployment time by 30%.
* Automated testing with Selenium, cutting testing time by 30% and increasing code quality.
* Implemented a strategy to reduce server usage for logged-out users, dynamically scaling down resources and cutting server costs by 25%.

**RetireWise**  
*Python, FastAPI, MongoDB, Pandas, NumPy*

* Engineered a financial calculator, improving data accuracy by 90%.
* Implemented repository and unit of work design pattern, reducing coding effort by 40%.

**7CBM E-Commerce Portal**  
*Python, FastAPI, MongoDB*

* Built asynchronous APIs for cart functionality and product caching, improving response time by 40%.
* Integrated Stripe payment gateway, reducing transaction failures by 20%.

**Realtime Esports Gaming**

*Python, JavaScript, NodeJS, MongoDB*

* Implemented asynchronous APIs with Node.js, improving efficiency by 30%
* Implemented Python automation to fetch data from external APIs, perform complex calculations, and store the processed data for user consumption.

**Nursery Ecommerce Web Application**

*JavaScript, ReactJS, NodeJS, MongoDB*

* Designed and developed a responsive e-commerce web application using React for the frontend and Node.js with Express for the backend.
* Implemented RESTful APIs for user authentication, product management, and order processing, enhancing user experience and functionality.
* Utilized MongoDB for data storage, implementing effective querying and indexing strategies to optimize performance.

**EDUCATION**

**Master of Computer Applications (MCA)**  
**VTU PG Center, Mysuru, KA, India**  
*Graduated: Jan 2021*

**Bachelor of Computer Applications (BCA)**  
**Sacred Heart College, Madanthyar, KA, India**  
*Graduated: Jun 2014*

**CERTIFICATIONS**

* **IBM Full Stack Software Developer Professional Certificate** *(In Progress, Expected: Jan 2025)*
* **AWS Cloud Technology Consultant Professional Certificate** *(In Progress, Expected: Feb 2025)*

**LEADERSHIP & VOLUNTEERING**

* Organized IT Forum events as the IT department's President, promoting collaboration and innovation in technology.
* Mentored junior developers and interns, fostering skill development and ensuring successful project outcomes.