Kartik Behl

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SUMMARY

4+ years Experienced Software Developer with expertise in building and implementing customer-facing, scalable, and reliable applications on public/private cloud. Proficient in SaaS product development, serverless and microservice application design, and implementation on AWS. Demonstrated experience in development, designing serverless backends, building REST APIs, and efficient CI/CD pipelines.

TECHNICAL SKILLS

- **Languages & Frameworks:** Python, JavaScript, React JS(Working Knowledge), HTML/CSS/Bootstrap, Flask/FastAPI.
- **Amazon Web Services (AWS):** Serverless Framework (SAM), EC2, ELB, IAM, VPC, Autoscaling, Lambda, RDS, DynamoDB, Kinesis Streams, Firehose, S3, SNS, SSM, SQS, Cloudwatch, SSM.
- **Databases**: MySQL, PostgreSQL, MongoDB.
- **CI/CD**: Circle CI, Github Actions
- **IaaC:** Terraform, Cloudformation
- **Others**: Github VCS, Alembic & SQLAlchemy ORM, Agile SWE, JIRA, Datadog Monitoring, Docker

WORK EXPERIENCE

Software Developer - III   *(Dec 2022 - Present)*
Rackspace Technology, Gurgaon, India
 - SaaS, Product Development, Serverless Application Design and Implementation on AWS.

- Led the development of a Event-Driven SaaS product called VMM that helps customers build, monitor, and manage their Private/Public Cloud Infrastructure.

- Designed and implemented a serverless backend on AWS using Amazon API Gateway, AWS Lambda, AWS Kinesis Streams, and AWS DynamoDB, resulting in increased scalability and cost savings.
- Built REST APIs using Flask with OpenAPI spec, enabling seamless integration with the front-end application built on React JS.
- Developed an efficient CI/CD pipeline on CircleCI, which led to a 50% reduction in time to market.
- Handled database migrations using Alembic and SQLAlchemy ORM, ensuring data consistency across environments

Software Engineer Analyst - Python/AWS   (*Oct 2022- Dec 2022*)
Goldman Sachs, Birmingham, UK

- SaaS, Product Development, Microservice Application Design and Implementation on AWS.

- Contributed to building REST APIs for centralized microservices for Goldman Sachs product, using Flask and FastAPI.
- Implemented response data validations through Pydantic and containerized the microservices with Docker.
- Developed and executed automated tests using Pytest and Cypress, ensuring system tests were reliable and repeatable.

Software Developer - II   *(Oct 2021 - Oct 2022)*
Rackspace Technology, Gurgaon, India
 - SaaS, Product Development, Serverless Application Design and Implementation on AWS.

- Built multi-tenant SaaS applications on private and public clouds using Flask and REST APIs, hosted on VMware and containerized with Docker.
- Developed high-performance API endpoints that automated manual calls to create customer infrastructure on Private VMware Cloud, resulting in increased efficiency.
- Created a custom SAML Identity Provider for SSO federation of customers to their respective Virtual machine/Instances, Backups, and other Services using Node.js and Samlp, reducing the risk of attacks.
- Migrated, Crafted and Optimized CI/CD pipelines with Github Actions which reduced build and deployment of containerized app by 40%.
- Contributed to migration, scalability, and optimization of a relational database system using vertical sharding on Amazon RDS. Handled migrations through Alembic and SQLAlchemy ORM.

Application Development Analyst   *(Feb 2017 - May 2019)*

Accenture, Gurgaon, India
 - SaaS, Product Development, Monolithic Application Design and Implementation on On-Premise.

- Developed SaaS products for e-commerce and pharmaceutical clients using Accenture's internal framework based on MVC based Springboot architecture.
- Crafted Dashboards for Visualizing/Reporting using Python and D3.js
- Implemented a test automation suite, increasing code quality and coverage from 30% to 95%.

EDUCATION

Bachelor of Technology   (2012 - 2016)
Maharaja Agrasen Institute of Technology, Delhi**,** India

- Computer Science Engineering with cumulative GPA of 7.5