

Gaurav Srivastava

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Summary

Software Developer with over 3 years of experience at BaseSolve Informatics Pvt. Ltd., specializing in scalable back-end solutions for genomics data analysis and healthcare information management. Key contributor to AUGMET, a Precision Genomics Suite, where I architected and led development of mission-critical internal systems. Transitioned into a DevOps Engineer role, enhancing CI/CD, infrastructure as code, and monitoring. Proven record of delivering robust, user-centric, high-performance features and automations that drive measurable impact.

Experience

DevOps Engineer

March 2023 to Current

BaseSolve Informatics Pvt. Ltd. - Ahmedabad, India

- Expanded and maintained CI/CD pipelines using GitHub Actions and AWS CodePipeline, cutting manual deployment steps by 60%.
- Authored and versioned CloudFormation templates for core services, improving environment reproducibility and reducing setup time.
- Configured CloudWatch metrics, dashboards, and OpenTelemetry traces to proactively detect and troubleshoot API performance issues, reducing incident response time by 50%.
- Partnered with development teams to integrate new microservices into automated build-and-release workflows, fostering cross-team collaboration.
- Automated infrastructure provisioning for test and production environments, reducing environment spin-up time by 70%.

Python Developer (SDE2)

October 2021 to March 2023

BaseSolve Informatics Pvt. Ltd. - Ahmedabad, India

- Led development of the internal API system for AUGMET, a clinical bioinformatics platform running core genomic data analysis and laboratory management for top healthcare institutions including Dartmouth-Hitchcock Medical Center and NCGM, scaling daily variant throughput by 40%.
- Architected and maintained a command-line interface with seven modules, enabling secure genomic data access for 10+ laboratories and several thousand users.
- Developed a high-performance task management system (API & Worker modes) for automating bioinformatics and digital pathology workflows, reducing manual intervention by 60%.
- Designed a modular API gateway consolidating patient data, authentication, and AI-chatbot services across clinical domains, accelerating client onboarding.
- Built a medical image processing engine converting histopathology slides to Deep Zoom format, enhancing browser-based diagnostics and research efficiency.
- Managed bi-weekly AUGMET release cycles and led automation of deployment processes.

Skills

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| <ul style="list-style-type: none">• Technical Leadership & Methodologies: Scrum, project lifecycle, project management, DevOps practices, CI/CD pipeline management, programming & design skills• Cloud and Infrastructure: AWS (EC2, S3, Lambda, IAM, CloudFormation, CloudWatch)• DevOps and Automation: CI/CD (GitHub Actions, CodePipeline), IaC (CloudFormation), OpenTelemetry, monitoring, and alerting | <ul style="list-style-type: none">• Programming and Data: Python, SQL, MongoDB (aggregation pipelines and optimisation), Bash, C++• Tools and Frameworks: Flask, Docker, Singularity, Git |
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Education

Bachelor of Technology : Mechanical Engineering, 01/2018

Dr. A. P. J. Abdul Kalam Technical University - Greater Noida, India

Websites, Portfolios, Profiles

- <http://linkedin.com/in/mech-srivastava-gaurav/>
- <http://github.com/srivastav-gaurav>