**Gaurav Srivastava**

Bengaluru, India

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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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| * 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 | * Programming and Data: Python, SQL, MongoDB (aggregation pipelines and optimisation), Bash, C++ * Tools and Frameworks: Flask, Docker, Singularity, Git |

**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

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