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| Sr. Full Stack & AI Engineer  Gaurav Goswami [Linkedin - Free social media icons](https://www.linkedin.com/in/gaurav-goswami-56aa84176/) [Github Logo - Free social media icons](https://www.github.com/gary1998/) [Email - Free communications icons](mailto:gouravgoswami48@gmail.com)  [Phone icons for free download | Freepik](tel://+917017925280/)   Nehru Nagar, Meerut, Uttar Pradesh - 250003 | | Professional Summary Highly skilled Full Stack and AI Engineer with over 4 years of experience in **backend** and **full-stack** development, **DevSecOps**, and **AI** technologies. Proven expertise in developing and deploying microservices, designing cloud-native architectures, and integrating advanced AI solutions. Known for strong leadership abilities and hands-on technical proficiency across a broad range of technologies, with an aptitude for delivering high-performance systems and leading cross-functional teams to success. Adaptable, detail-oriented, and highly motivated to explore new challenges and technologies. | |
| Experience | May 2024 – Present  Senior Full Stack & AI Engineer *IBM - India Systems Development Labs*   * Led the development of Proof of Concepts (POCs) for AI-based solutions using **IBM watsonx.ai**, enabling internal teams to adopt AI-driven tools that enhanced their operational efficiency by **20%**. * Collaborated with **IBM Research** teams to implement, test, and train custom **Large Language Models (LLMs)** for internal use cases, significantly improving the quality of AI-driven decision-making processes. * Spearheaded the deployment of microservices using **Python** and **Docker** across multiple container platforms, reducing the service downtime during deployment phases by **15%** and improving scalability by **30%**. * Developed AI solutions for internal infrastructure teams, automating previously manual tasks and reducing turnaround times by **25%**, enhancing overall productivity. * Coordinated with cross-functional teams across different geographies to drive complex AI adoption projects, consistently delivering results ahead of schedule.   Oct 2023 – May 2024  Senior Engineer *IndiGo - Lab37*   * Led the transformation of **5** legacy on-premises applications into cloud-native architectures, resulting in a **30%** reduction in infrastructure costs and a **20%** improvement in overall application performance. * Conducted in-depth performance benchmarking for critical customer-facing applications using Locust and **JMeter**, identifying bottlenecks and implementing optimizations that boosted transaction processing speeds by **25%**. * Designed and implemented a microservice-based framework for real-time ETA prediction for airport services, increasing customer satisfaction scores by **18%** through enhanced accuracy and reliability. * Modernized various digital touchpoints for customer engagement at airports, which included integrating AI-driven features to provide real-time updates and navigation assistance, improving pre-boarding experience efficiency. * Acted as a technical lead, overseeing a team of engineers in the development and deployment of high-performance applications, ensuring adherence to best practices and security protocols.   Oct 2020 – Oct 2023  Back-End Engineer *IBM - India Software Labs*   * Played a pivotal role in the development and integration of microservices for **IBM Cloud Security Advisor (now IBM Security and Compliance Center)**, enhancing the platform's ability to manage and address cloud vulnerabilities. This initiative led to a **15%** reduction in security incidents across **IBM Cloud** environments. * Led a team of **4** in developing an **OpenShift Compliance Operator** integration module for **IBM Cloud Security and Compliance Center**, which reduced compliance check execution times by **10%**, improving auditing accuracy and efficiency. * Collaborated extensively with **IBM Japan Research Labs** to integrate Vulnerability Advisor into **IBM Cloud**’s security suite, optimizing cloud security workflows and reducing vulnerability remediation time by **20%**. * Contributed to the **IBM Cloud Event Notifications** project, architecting and implementing high throughput microservices that improved event notification delivery efficiency by **22%**, benefiting thousands of customers globally. * Developed automated testing frameworks that increased unit test coverage for key microservices from **80%** to **95%**, ensuring greater system reliability and reducing production bugs by **30%**. * Deployed services using **Docker** and **Kubernetes** in a **Red Hat OpenShift** environment, implementing CI/CD pipelines via **IBM Cloud OnePipeline**, which reduced deployment failures by **15%**. * Pioneered efforts in performance benchmarking using **Locust** and **JMeter**, enhancing service response times by **15%** through targeted optimizations.   Jun 2019 – Aug 2020  Software Engineer Intern *IBM - India Software Labs*   * Developed and maintained microservices for **IBM Cloud Security Advisor**, including writing and maintaining unit tests that increased test coverage to **95%**, ensuring robust and reliable system performance. * Collaborated closely with senior engineers to integrate Vulnerability Advisor into **IBM Cloud** offerings, resulting in a **10%** reduction in customer-reported security issues during the beta phase. * Deployed microservices using **Docker** and **Kubernetes** and played a key role in streamlining the deployment process using **Red Hat OpenShift**, reducing downtime by **20%**. * Performed extensive benchmarking of microservice performance using **Locust** and **JMeter**, leading to targeted performance enhancements that improved service response times by **15%**. * Assisted in bug-fixing and performance tuning, contributing to a **20%** improvement in the reliability and scalability of critical cloud security services. | | |
| Education Aug 2016 – Aug 2020  Bachelor of Technology (Honors) - Computer Science & Engineering  Meerut Institute of Engineering & Technology (MIET), APJ Abdul Kalam Technical University **CGPA:** 8.0 | | Skills **Programming**: Java, JavaScript, Python, Golang  **DevSecOps**: Docker, Kubernetes, Red Hat Openshift, IBM Cloud, AWS, Azure, GCP, Jenkins, SonarQube, SAST, DAST, GitHub Actions  **Full Stack**: MySQL, PostgreSQL, MongoDB, ReactJS, Redux, HTML, CSS, Bootstrap, Redis, Elastic Search, IBM Cloudant  **AI & ML**: RAG Pipelines, Conversational AI, Text Vectorization, LLMs/SLMs, GenAI-based Chatbots  **Cloud Platforms**: IBM Cloud, AWS, Microsoft Azure, Google Cloud Platform  **Tools**: Locust, JMeter, Snyk, OnePipeline, OpenShift Container Platform | |
| Publications & Articles[Machine Learning Powered Compatible People Proposer Based On Personality Traits](https://www.ijstr.org/final-print/mar2020/Machine-Learning-Powered-Compatible-People-Proposer-Based-On-Personality-Traits.pdf)  * [Building a Universal Generative AI Chatbot Solution: From Data Ingestion to Deployment](https://medium.com/@gouravgoswami48/building-a-universal-generative-ai-chatbot-solution-from-data-ingestion-to-deployment-938078646eeb) * [Mastering Feature Engineering: Crafting Brilliance in Machine Learning 🚀](https://medium.com/@gouravgoswami48/mastering-feature-engineering-crafting-brilliance-in-machine-learning-0710d05a714c) * [Battle of Protocols: gRPC & Protobuf vs. REST & JSON Showdown! 🥊](https://medium.com/@gouravgoswami48/battle-of-protocols-grpc-protobuf-vs-rest-json-showdown-5a61dcc7ac4f) * [🚀 Level Up Your DevSecOps with Tekton: A Hands-On Guide](https://medium.com/@gouravgoswami48/level-up-your-devsecops-with-tekton-a-hands-on-guide-1d33202bc880) * [Mastering JakartaEE (JavaEE): A Comprehensive Guide to Build a Feature-Packed REST Server](https://medium.com/@gouravgoswami48/mastering-jakartaee-javaee-a-comprehensive-guide-to-build-a-feature-packed-rest-server-4d652a531e26) * [Goroutines in GoLang: Hacks to Conquer Concurrency Like a Boss! 😎](https://medium.com/@gouravgoswami48/goroutines-in-golang-hacks-to-conquer-concurrency-like-a-boss-733e733a00f1) * [🔩 Unraveling GitOps, DevSecOps, and TechOps: A Guide to Modern Tech Superpowers](https://medium.com/@gouravgoswami48/unraveling-gitops-devsecops-and-techops-a-guide-to-modern-tech-superpowers-668b3dd20a50) * [Choosing the Right Database for Your Project: A Developer’s Comprehensive Guide](https://medium.com/@gouravgoswami48/choosing-the-right-database-for-your-project-a-developers-comprehensive-guide-c9e91f87f3ca) | | | |
| References Available upon request | | | **Gaurav Goswami**  9th October 2024 |