Gaurav **Kanoongo**

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Professional Summary

Driving successful projects and high-performing teams in software engineering and DevOps, I bring expertise in Kubernetes, Python, C#, .Net, Delphi, various cloud platforms, and databases, focusing on security, efficiency, and innovation. My hands-on experience with complex systems, code management, and automation positions me as a sought-after expert in both strategic leadership and technical proficiency. I'm also adept at debugging code, optimizing SQL queries, and improving the performance of long-running transactional processes.

My extensive homelab, filled with various open-source software and cutting-edge tools, reflects a lifelong passion for computing and continuous learning. Committed to delivering high-quality solutions on time, I combine innovative problem-solving abilities with strong communication and collaboration skills to drive organizational success.

Skills

- **Cloud & Containers:** Azure, IBM Cloud, OpenShift, Podman, AWS, Kubernetes, Docker, Azure Kubernetes Services, Azure Monitor, Prometheus, Grafana, Azure Storage, Azure Functions, AWS Lambda, S3, EC2
- **Databases:** MS SQL Server, PostgreSQL, SQLite, MySQL, NoSQL databases, RabbitMQ
- **DevOps:** Azure DevOps, GitHub, GitLab, Jenkins, Git, Subversion, Octopus, Artifactory, Terraform, Ansible
- **Programming Languages:** C#, Python, Delphi, C/C++, SQL, PowerShell, Bash, Pascal, COBOL, Rust (learning)
- **OS, Platforms & Hypervisors:** Web, Windows, .NET, Unix, Linux, Proxmox, KVM, QEMU, and Hyper-V
- **Web:** Microservices, RESTful APIs, WebAPI, HTML, JavaScript, CSS, JSON, YAML, XML

Experience:

- **IBM Corporation**   **11/2014 -- current**

- Application Consultant (DevOps)   08/2022 – current
  CRSNext Services | Markel Corporation   Glen Allen, VA

  - Orchestrated k8s microservices ecosystem in Azure Kubernetes Services, cutting reinsurance transaction processing time from 60 to 5 hours, boosting efficiency by 88%.

  - Designed scalable Kubernetes clusters, created CI/CD pipelines, and optimized infrastructure costs by selecting appropriate SKUs, achieving a 30% cost reduction.

- Application Lead   11/2014 – current
  ERMS Managed Services | Markel Corporation   Pune, India | Windsor, CT | Glen Allen, VA

  - Led the development team, ensured timely monthly software releases for commercial insurance platform ERMS built with Delphi, .NET, and SQL Server, maintaining a 100% on-time delivery record over 10 years.

  - Supervised project scope, planning, and change control; conducted requirement analysis, technical design, coding, code reviews, and QC/UAT support, resulting in a 25% reduction in post-release defects.

  - Consistently identified and resolved bottlenecks in legacy and SQL code, leading to significant improvements in query efficiency and system response times. My proactive approach, coupled with in-depth analysis and fine-tuning, has resulted in a 25% increase in overall database performance, making me the go-to person for database-related production issues.

- Application Lead   04/2018 – 02/2022
  ERMS DevOps | Markel Corporation   Windsor, CT | Glen Allen, VA

  - Implemented DevOps tools and processes, migrating over 100 code repositories to Git with their entire history and branch structure and establishing comprehensive CI/CD pipelines, decreasing deployment times by 80%.

- Established through code-audit and code-review practices; Handled project scope, planning, and change-control; efficiently maintained multiple environments, leading to a 47% improvement in code quality metrices.

- Application Lead   12/2017 – 04/2018
  GlobalRe | Markel Corporation   Windsor, CT

  - Spearheaded DevOps for the Global Reinsurance System built with WebAPI REST services, SQL Server database, and Angular frontend. This pivotal system facilitated essential underwriting and claims transactions across multiple business domains.

  - Established CI/CD pipelines, automated code management workflows, and code-audit practices to streamline build, test, and deployment processes. This resulted in a 37% reduction in release cycle time, substantial decrease in code conflicts, and 19% reduction in post-production bugs.

  - Engineered a robust monitoring and alerting framework, enhancing resource utilization, reducing costs by 23% and significantly minimizing critical incident downtime.

- **NIIT Technologies**   **06/2011 – 11/2014**

- Technology Consultant   06/2011 – 11/2014
  Subscribe Webservices & Subscribe | NIIT Insurance/Room Solutions, UK   Gurgaon, India

  - Designed and developed web services for a commercial insurance and reinsurance policy administration platform within Lloyd's Insurance Market (UK), enhancing underwriting capabilities and transaction processing efficiency by 29% during month-end financial closure activities.

  - Ensured timely releases of new product features while maintaining existing systems. Managed project estimation, code reviews, task assignments, progress monitoring, testing, and performance reviews -- resulting in a 27% increase in team productivity.

- **ST SoftTech India Pvt. Ltd.**   **4/2011 – 06/2011**
- Software Developer | SoftTech America Inc., US   Gurgaon, India

- **ISC Software**   **8/2010 – 3/2011**
- Application Developer | CoreCard Software Inc., US   Bhopal, India

- **ActiveNet Software Private Limited**   **3/2000 – 9/2007**
- Founder/Developer   Vidisha, India

Education

- **Master of Technology (M. Tech.)** in *Software Systems*   **2009**
  Samrat Ashok Technological Institute, Vidisha
- **Bachelor of Engineering (B.E.)** in *Computer Science and Engineering*   **2003**
  Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Honors & Awards

- **IBM 2018 GIC Onsite Talent Award**   10/2018
- **IBM Eminence and Excellence Award**   08/2018
- **IBM Innovation & Delivery Excellence Awards - Cloud Application Innovation Award**   06/2018
- **IBM Eminence and Excellence Award**   06/2018
- **IBM Service Excellence Award**   10/2016
- **Award of Excellence by NIIT Technologies**   12/2013
- **IBM Manager's Choice Awards**   16+ times