

Vinit Singh

DevOps Engineer

DevOps Engineer with 2.5+ years of experience in automation, cloud infrastructure, and software engineering. Proficient in CI/CD pipelines, Docker, Kubernetes, AWS services (EC2, S3, CloudFormation), Linux environments, and deployment automation. Experienced in building scalable and reliable systems, improving release workflows, and supporting cloud-native applications. Strong background in C/C++ development, problem-solving, and performance optimization with hands-on experience in agile development practices.

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WORK EXPERIENCE

Hisan Labs Pvt Ltd.

DevOps Intern

Aug 2025 - Present

- Assisted in designing and maintaining CI/CD pipelines using Jenkins, Git, and GitHub Actions to automate build, testing, and deployment workflows.
- Worked extensively in Linux environments for server management, application deployment, troubleshooting, and performance monitoring.
- Gained hands-on experience with AWS cloud services including EC2, S3, and IAM for infrastructure provisioning and application hosting.
- Built and managed Docker containers to ensure consistent and scalable deployment environments across development and production.
- Monitored system logs, application health, and deployment pipelines to identify and resolve infrastructure and runtime issues efficiently.
- Collaborated with development teams to streamline release processes, improve deployment reliability, and support agile delivery practices.
- Contributed to infrastructure automation and DevOps best practices, improving operational efficiency and deployment consistency.

Freelance

UI/UX & Front-End Developer

July 2024 – Aug 2025

- Designed and optimized responsive, user-friendly web interfaces using React.js, HTML, CSS, JavaScript, and Tailwind CSS, delivering scalable and maintainable front-end solutions aligned with client goals and brand identity.
- Translated Figma designs into pixel-perfect front-end implementations with seamless interactions and animations while enhancing usability, accessibility, and overall user experience through wireframing, prototyping, and usability testing.
- Collaborated closely with clients to refine UI designs, conduct user-focused improvements, and ensure visually appealing, intuitive, and high-quality digital experiences.

Capgemini Pvt Ltd.

Software Engineer

March 2022 - July 2024

- Designed and deployed high-performance C++ applications, ensuring scalability and maintainability.
- Enforced algorithms and data structures to solve complex problems efficiently and optimize performance.
- Integrated with external systems through APIs to process data and enhance application functionality.
- Carried out code reviews and contributed to establishing coding standards for C++ projects, ensuring high-quality code and adherence to best practices.
- Optimized application performance, reducing memory usage and processing time by 30% through algorithm improvements and memory management techniques.

SKILLS

- **Cloud Platforms:** AWS, Microsoft Azure, Google Cloud Platform (GCP).
- **Operating Systems & Scripting:** Linux (Command Line, Process Management, File Systems, Shell Commands), Bash Scripting, Troubleshooting, System Monitoring.
- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI/CD, Terraform, Ansible.
- **Version Control & Collaboration:** Git, Github, SVN, Agile Development, Team Collaboration.
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack, Splunk, AWS CloudWatch.
- **Programming & Development:** C++, Object-Oriented Programming (OOP), Multithreading, Concurrency, Memory Management, Exception Handling.
- **Version Data Structures & Algorithms:** Arrays, Linked Lists, Stacks, Queues, Trees, Hash Tables, Sorting & Searching Algorithms.
- **C++ Standard Library (STL):** Vectors, Maps, Sets, Iterators, Algorithms.
- **Tools & IDE:** Visual Studio, Eclipse.

PROJECTS

Microservices Application Deployment on AWS with Docker & Kubernetes April 2026 - May 2026

- Designed and deployed a microservices-based web application using Docker containers and Kubernetes orchestration on AWS infrastructure.
- Configured Kubernetes deployments, services, and ingress controllers for container management, scalability, load balancing, and high availability.
- Implemented CI/CD pipelines using Jenkins and GitHub Actions to automate build, testing, and deployment workflows.
- Deployed and managed AWS services including EC2, VPC, IAM, and Application Load Balancer (ALB) for secure and scalable infrastructure setup.
- Configured monitoring and logging using Prometheus, Grafana, and AWS CloudWatch while applying Infrastructure as Code (IaC) and Linux administration concepts.

Containerized Full Stack Application Deployment with CI/CD Feb 2026 - March 2026

- Developed and deployed a containerized full stack web application using Docker, AWS, and CI/CD automation tools.
- Created multi-container Docker environments using Docker Compose for frontend, backend, and database services management.
- Automated build, testing, and deployment workflows using Jenkins and GitHub Actions to improve release efficiency and deployment consistency.
- Configured Nginx as a reverse proxy and load balancer while deploying applications on AWS EC2 with IAM roles and Security Groups.
- Implemented centralized logging, monitoring, and performance tracking to detect application issues and improve system reliability.

CT-MW: CMSC March 2022 - July 2024

- Developed software modules for image transfer and storage systems, ensuring reliable and secure data handling.
- Utilized C++, VC++, and MFC to implement core functionalities for efficient data transfer, ensuring high performance and low latency in medical imaging environments.
- Executed extensive testing to ensure the robustness and reliability of software in handling large data volumes typical in medical imaging.
- Collaborated closely with cross-functional teams to ensure system integration, performance optimization, and security compliance.

CERTIFICATIONS

DevOps Internship Program

- Completed hands-on training in CI/CD pipelines, Docker, Kubernetes, AWS, Terraform, Linux administration, Bash scripting, Jenkins, GitHub Actions, and monitoring tools like Prometheus & Grafana.

Full Stack Web Development Program

- Gained practical experience in frontend and backend development using React.js, JavaScript, Node.js, Express.js, databases, REST APIs, Git and cloud deployment platforms.

UI/UX Design for Web & Mobile

- Learned UI/UX fundamentals including wireframing, prototyping, responsive design, usability testing, design systems, and interactive design using Figma.

EDUCATION

Chandigarh University

Bachelor of Computer Science and Engineering March 2016 - May 2020

Kendriya Vidyalaya, Sec 31-D, Chandigarh

Higher Secondary School (HSC) March 2014 - March 2016

AWARDS

Star Employee Capgemini Pvt Ltd.

- Recognized as Star Employee for consistently delivering high-quality work on time at Capgemini Pvt Ltd.

Sports Enthusiast Capgemini Pvt Ltd.

- Awarded 2nd place in the cricket tournament held at Capgemini Office Campus, demonstrating strong teamwork, sportsmanship, and dedication to extracurricular activities.