

Akilandeshwari Srinivasan, DevOps Engineer

+1 (368)-299-1052 | akila98sri@gmail.com | Canada (Open to Relocate) |

[LinkedIn](#) [GitHub](#) [Website](#)

Professional Summary

DevOps Engineer with **4+ years** of experience in cloud infrastructure, CI/CD automation, and container orchestration. Proficient in AWS, Terraform, Docker, and Kubernetes, with a strong focus on optimizing software delivery pipelines and enhancing system reliability. Skilled in infrastructure as code (IaC), cloud security, and automation, ensuring scalable and cost-efficient deployments. Passionate about streamlining operations and bridging the gap between development and IT operations for seamless, high-performance applications.

Technical Skills

Cloud Provider: AWS, Azure.

Infrastructure as Code (IaC): Terraform

Orchestration Tools: Docker, Kubernetes

CI/CD Tools: GitHub Actions, Docker, Jenkins

Front-end Frameworks: Angular12, AngularJS, React.

Web Technologies: HTML5, CSS3, SASS, Bootstrap, JavaScript, TypeScript, Node.js

Programming Languages: C, Python, Java

Additional Skills: Troubleshooting, Code Debugging, Agile Scrum, Git Proficiency, JIRA, Figma, PowerBI, Linux, SQL

Professional Experience

DevOps Engineer

May 2024 – Nov 2024

Cognizant Technology Solutions, Canada

- Designed and deployed **scalable cloud applications** on AWS (**EC2, S3, RDS**), ensuring high availability and performance.
- Strengthened **IAM access controls**, enhancing security and compliance across cloud environments.
- Developed and maintained **CI/CD pipelines** in Jenkins, accelerating software releases by **30%**.
- Automated **infrastructure provisioning** with Terraform, reducing **manual setup efforts by 40%**.
- Led **container orchestration** using Docker and Kubernetes, ensuring seamless service availability.
- Optimized **AWS resource utilization**, cutting costs by **20%**.
- Created **Python scripts** for automated deployments and system monitoring, improving efficiency by **25%**.
- Established **Git workflows** for structured collaboration and version control.
- Integrated **security scans and compliance checks** within CI/CD, mitigating risks proactively.
- Collaborated with cross-functional teams to **reduce deployment failures by 15%** and improve system stability.

Junior DevOps Engineer Intern

Sept 2023 –Apr 2024

Bow Valley College, Canada

- Proficient in a wide range of AWS services (**EC2, S3, IAM, CloudWatch, SNS, RDS, Load Balancer, NLB, ALB, DynamoDB, Lambda, SQS**) security best practices, and the software development lifecycle.
- Led the development and cloud deployment of an interactive website using **Angular, Bootstrap**, and **Python**, boosting online revenue by 45% and increasing customer retention by 30%.
- Orchestrated **AWS, Docker and Kubernetes deployments** enhancing fault tolerance and scalability.
- Engineered **robust CI/CD pipelines and Docker configurations**, optimizing deployment frequency by 40% and reducing time-to-market by 50%.

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- Spearheaded the development of a user-centric learning platform with **React**, **Bootstrap**, **Node.js**, and **Express.js**, **MySQL** improving performance and user experience by 40%.
- Built scalable AWS infrastructure with **Terraform**.
- Proven ability to lead cross-functional teams using **agile methodologies**, ensuring timely project delivery and high client satisfaction.

Frontend Developer

Oct 2020 – Aug 2023

Cognizant Technology Solutions, India

- Expertise in crafting SPAs with **Angular 12** and **React**, enhancing load times and user engagement.
- Led the upgrade from **Angular 2** to **Angular 11**, improving performance and user experience.
- Optimized performance with **code splitting**, **lazy loading**, **JSON Objects**, **CORS**, **iFrame**, **responsiveness**, and **efficient data binding**.
- Converted design mockups to web interfaces using **HTML**, **CSS**, **jQuery**, **SASS**, **JavaScript**, and **JSX**.
- Proficient in RESTful API integration, improving data communication and manipulation by 30%.
- Developed backend services and APIs with **Node.js**, ensuring high performance.
- Implemented unit tests and conducted code reviews for quality and reliability.
- Mastered **Git** for collaborative development and code stability.

Full Stack Developer

Jan 2020 – Aug 2020

Cognizant Technology Solutions, India

- Proficient in **MEAN Stack (Angular, NodeJS, ExpressJs, MongoDB)** stack development, enhancing website performance by 30%.
- Employed **MongoDB** for efficient database management, ensuring optimal scalability.
- Crafted interactive user interfaces with Angular to elevate user engagement.

Education

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| • Professional Certificate in Data Science
Southern Alberta Institute of Technology • Calgary, Alberta, Canada | Sep 2024 – Apr 2025 |
| • Post-Graduate Diploma in Cloud Computing
Bow Valley college • Calgary, Alberta, Canada | Sep 2023 - Apr 2024 |
| • Bachelor's in computer science and engineering
Anna University • Chennai, Tamil Nadu, India | Aug 2016 – Apr 2020 |

Certifications

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| • Hashi Corp Cloud Engineer – Terraform Associate | Feb 2025 – Feb 2027 |
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