

Karthik M

chynkm@gmail.com • <https://www.linkedin.com/in/chynkm/>

Adaptable and innovative engineer with expertise in both backend development and DevOps practices, skilled in building scalable server-side applications and managing cloud infrastructure. Experienced in automating workflows, optimizing deployment pipelines, and delivering high-performance solutions. Adept at leveraging technologies like AWS, Terraform, Docker, Kubernetes and CI/CD to streamline development and operations processes. Eager to bring my technical expertise and problem-solving skills to a dynamic team in either backend development or DevOps engineering.

WORK EXPERIENCE

Hatio Innovations Pvt Ltd, Kochi

Lead DevOps Engineer

09/2023 - Present

- Established efficient DevOps practices in integrating latest technologies in crypto and fintech products, driving faster development cycles and improved collaboration across teams.
- Architected and maintained secure, scalable cloud infrastructure on **AWS**, implementing **EKS** with **Karpenter** to optimize application deployment and ensure high availability under fluctuating workloads.
- Automated infrastructure provisioning using **Terraform**, reducing manual intervention and increasing deployment speed and reliability by over 40%.
- Led cost optimization initiatives, aligning cloud expenses with utilization metrics, achieving a 25% reduction in overall cloud expenditure without compromising service quality.

LiteBreeze Infotech Pvt Ltd, Kochi

Backend Developer/DevOps Engineer

08/2014 - 08/2023

- Optimized and developed key features for client projects, including:
 - **Legal database search engine**: Boosted performance and accuracy.
 - **CRM for event planners**: Enhanced user workflows and reliability.
 - **Comparison shopping app**: Boosted user engagement.
 - **Feedback loop for a survey firm**: Streamlined data collection and reporting.
 - **ERP system**: Improved operational efficiency for finance teams.
- Built scalable, secure web applications in **PHP**, **Python**, and **JavaScript**, leveraging frameworks/libraries like **Laravel**, **jQuery** and **Vue.js**.
- Enhanced application performance using **ElasticSearch**, **MariaDB**, and **Redis**, while integrating queueing systems like **RabbitMQ** and **SQS**.
- Designed and managed cloud infrastructure on **AWS**, leveraging services like **EC2**, **Fargate**, **EKS**, **S3**, **ELB**, **CloudFront**, **RDS** etc. achieving a 30% improvement in scalability.
- Automated operations and deployments using **Terraform**, **Docker**, **Kubernetes** and **CI/CD** pipelines, cutting release cycles by 40% and enhancing team productivity.
- Acknowledged for:
 - Swiftly resolving critical production issues, minimizing downtime and ensuring system reliability.
 - Mentoring and training team members in my area of expertise, fostering knowledge sharing and skill development.

Perfomix Technologies Pvt Ltd, Kochi

System Engineer

09/2013 - 08/2014

- Developed and deployed a custom application to monitor the health of 200+ *nix OS systems across multiple data centers, resulting in 99.9% system uptime.
- Implemented real-time alert mechanisms for critical parameters, reducing downtime by 25% through proactive identification and resolution of system issues.

- Provided actionable insights through performance analysis, improving response times and operational efficiency by 20%.

TNGiCUBE Technology Resources (I) Pvt Ltd, Trivandrum

System Administrator

12/2008 - 02/2010

- Managed and optimized high-throughput messaging systems, handling over 3 million daily SMS messages.
- Developed a high-performance portal capable of processing 1 million SMS messages per hour.
- Enhanced message delivery speed by 20% through performance tuning and optimization.

SKILLS

PHP	Kubernetes	MariaDB/MySQL	Terraform	Bash
Laravel	Docker	ELK	Terragrunt	NGINX
Slim	Helm	Redis	Packer	JMeter
Python	Rancher	Postgres	jQuery	
JavaScript	Grafana Loki	RabbitMQ	Vue.js	

CERTIFICATIONS

AWS Certified Solutions Architect - Associate
 RedHat Certified Engineer(RHCE)
 Cisco Certified Specialist
 Sun Certified System Administrator(SCSA)

EDUCATION

Masters in Computer Applications (2013), CUSAT, Cochin