

# Chetan Thapliyal

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## WORK EXPERIENCE

### Freelance Technical Writer

Hashnode, Remote

Jan 2023–Present

- Authored **50+ well-received technical blogs**, resulting in a consistent **20% increase** in community engagement and readership. (Google Cloud Platform, Linux)
- Created multiple scripts using Bash and Go to automate content workflows, **increasing the efficiency of content updates by 40%**. ([Scripts](#)).

### Subject Matter Expert

Chegg India, Remote

Oct 2020–Sep 2022

- Authored **200+ technical questions** and provided step-by-step solutions, ensuring accuracy and ease of understanding for students. (Google Docs, Excel)
- Troubleshoot customer issues promptly while maintaining positive relationships, leading to a **20% decrease in customer churn rate** and increased customer retention. (Customer Issue Resolution)

## TECHNICAL SKILLS

**Cloud Computing Platforms:** Google Cloud, Azure

**Devops Tools:** Git, Bash, Go, Terraform, Docker, Kubernetes, Jenkins, Sonarqube, Nexus, Trivy

## PROJECTS

### Cloud Resume Challenge | *Cloud Build, Cloud Functions, Firestore, Hugo, Terraform*

[Blog](#) [GitHub](#)

Project involves creating and hosting a portfolio website on Google Cloud Platform, utilizing cloud infrastructure, serverless functions, load balancing, CDN, and CI/CD pipelines.

- Configured with GitHub Actions to **automate deployment processes**, ensuring efficient and error-free updates. (Github Actions, Cloud Build)
- Utilized Google Cloud Functions and API Gateway to create a **serverless backend** for the visitor counter, **enhancing scalability** and **reducing operational overhead**. (GCP)
- Implemented HTTPS using Google Cloud Load Balancing with SSL certificates and **configured secure DNS settings** with Cloud DNS, **ensuring data security and compliance** with best practices. (DNS, SSL)

### 3-tier Architecture Deployment | *Google Kubernetes Engine, Jenkins, Sonarqube, Docker*

[Blog](#) [GitHub](#)

Deployed a 3-tier application (YelpCamp, a full-stack website for campground reviews) across various environments & implemented CI/CD pipelines for automated building, testing, and deploying.

- Utilized a Jenkins pipeline to **automate the build**, containerization, and deploying the application to a GKE cluster, **enabling scalable and reliable application hosting**. (GKE, Jenkins, Docker)
- Implemented AtlasDB for **robust data storage solutions** and integrated Mapbox API to provide dynamic and interactive location-based features for campgrounds, enhancing user experience. (AtlasDB, Mapbox API)
- Utilized SonarQube for **continuous code quality inspection** and Trivy for **security scanning** of the file system and Docker images, **ensuring high code quality and security standards**. (Sonarqube, Trivy)

### Secure CI/CD Pipeline | *Terraform, Kubernetes, GCP, Docker, Kubeaudit, Grafana*

[Blog](#) [GitHub](#)

Designed and implemented a robust CI/CD pipeline to automate the build, test, and deployment processes for a web application. This pipeline ensures high code quality, security, and efficient deployment, improving overall development productivity and reducing time to market.

- Streamlined the development workflow, **reducing manual intervention** and **minimizing errors** in the build and deployment process. (Automation)
- Enhanced code quality and security by **integrating comprehensive code analysis** and **vulnerability scanning tools**. (Kubeaudit, Trivy)
- Facilitated proactive monitoring and issue resolution, **contributing to higher application uptime** and performance. (Grafana, Email Alerts)

## EDUCATION

**Uttarakhand Technical University**

*Bachelor of Technology, Mechanical Engineering*

Dehradun, Uttarakhand

August 2014