Akshit Sood

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INTRODUCTION

Full Stack Engineer with experience building **scalable, cloud-native applications** using **React, TypeScript, .NET, and GCP**. Skilled in **Kubernetes**, **CI/CD pipelines**, and **performance optimization**. Adept at delivering production-ready systems in agile environments, collaborating across teams, and driving measurable business outcomes.

EDUCATION

Bachelor of Engineering in Computer Science   **2019 − 2023**
Chitkara University, Chandigarh   **CGPA: 9.39**

Senior Secondary Education (Class XII)   **2016 − 2018**
Mount Carmel School, ICSE Board

EXPERIENCE

Software Engineer   **Jul 2023 − Present**
dunnhumby, Gurugram, India

- Built and delivered **microfrontend** from scratch using **Webpack Module Federation**.
- **Backend & Database Optimization:** Led performance optimization POC comparing **PostgreSQL, Redis, and Elasticsearch**; implemented **Elasticsearch** with custom indexing strategies, reducing average query time from **1.9s to 900ms (53% improvement)**.
- **Backend Services:** Developed and maintained **RESTful APIs** using **.NET Core**. Implemented **Search API** with support for multiple filters and enhanced filtering capabilities.
- **Cloud Infrastructure & DevOps:** Migrated services to a **multi-AZ GCP setup** with **Kubernetes (GKE)** using **Terraform** for infrastructure provisioning, increasing system **resilience and uptime by 25%**. Created new workflows using **Terraform** to support existing as well as new requirements, ensuring everything is scalable.
- **Testing & Quality Assurance:** Increased **test coverage by 40%** using **Jest** and **Cypress** for both frontend and backend components. Implemented comprehensive **unit testing and integration testing**; Ensured **SonarQube compliance** and eliminated high-severity vulnerabilities.

PROJECTS

Point of Sale System (POS)   *React, Node.js, Express.js, MongoDB*

- Developed a full-stack **billing solution for retail** businesses.
- Integrated **Redux** for state management and **Ant Design** for UI components.

TECHNICAL SKILLS

Languages: C, C++, C#, JavaScript, TypeScript, SQL, HTML, CSS
Backend Frameworks: .NET Core, Node.js, Express.js, RESTful APIs
Frontend: React.js, Redux, Ant Design
Cloud: Google Cloud Platform (GCP), Kubernetes (GKE), Cloud Run, Cloud Functions, Cloud SQL, BigQuery
DevOps & Tools: Docker, Terraform (IaC),, Kubectl, Helm, Argo Workflows, CI/CD (GitLab CI), Git, Jira
Databases: PostgreSQL, MongoDB, Redis, Elasticsearch, BigQuery
Monitoring & Security: New Relic, Trivy, Checkmarx, SonarQube
Testing: Jest, Cypress, Unit Testing, Integration Testing