Sunil Tomar

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Personal Summary

Results-driven Software Engineer with over **6+ years of experience** in software design and development. Expertise in **Java (Spring Boot), C# (.NET), GoLang, and Kubernetes, complemented by strong skills in AWS and ArgoCD**. Proven track record of leading cross-functional teams to enhance system performance and deliver scalable financial solutions. Aiming to leverage technical acumen to drive innovation in software development projects. Graduated from the **Indian Institute of Technology, Kanpur.**

- linkedin.com/in/suniltomar852
- github.com/tomarji852

Skills

- JAVA, Go Lang, CPP, C#, C, Python
- GitHub Copilot, MCP servers
- Visual Studio, IntelliJ, GoLand, SQL Workbench
- GO Echo, Spring Boot, .NET
- AWS services, ArgoCD, BBP, Jenkins, K8s
- REST APIs

- JIRA, Bitbucket, Confluence
- Sumo Logic, Kibana, DataDog
- Microservices Architecture
- Kafka, SQS
- Scrum framework, Agile methodologies

Experience

SOFTWARE DEVELOPMENT ENGINEER III | 07/2021 - Current
CASHFREE PAYMENTS - Bangalore, India
Cashfree Payments – India's Leading Payments & API Banking Platform

- **High-Scale System Design**: Built and maintained high-throughput backend systems handling **7.88K QPS** and **800+ order creations/sec**, ensuring low latency and high reliability.
- **Tech Stack Ownership**:
  Java (Spring Boot): Designed core backend services using Spring Boot, leveraging advanced **multithreading** and **reactive programming (WebFlux)** and Virtual threads for I/O-intensive flows.
  GoLang: Developed **edge services** in GoLang for rate-limiting, authentication, and request shaping; leveraged **goroutines and channels** for lightweight concurrency and performance.
  Microservices Architecture: Majority of backend in Java; all edge and gateway-layer services in GoLang for optimal startup time and resource usage.
- **Version Upgrades**: Led smooth **Java upgrades from 11 → 17 → 21** across critical services, improving performance, security, and developer productivity.
- **Rate Limiting**: Developed and deployed a custom GoLang-based rate-limiter on K8s for transaction protection across banking APIs.
- **Database Migration**: Spearheaded a large-scale DB migration, boosting performance and cutting infra costs.
- **Reporting Engine**: Architected a robust transaction reporting system with support for scheduled, real-time, and on-demand exports.
- **New Market Launch (UAE)**: Delivered Payouts & PG for UAE with 50+ microservices across 2 phases using **ArgoCD, Bitbucket Pipelines, and AWS**.

- **Global Infra Initiatives**:
  Secret Management: Migrated K8s secrets to **HashiCorp Vault**, strengthening security and compliance.
  Incident & Alert Platform: Rolled out org-wide alerting system for 35+ teams, resulting in **$3.5K/month savings**.

SOFTWARE DEVELOPMENT ENGINEER II | 07/2019 - 07/2021
ZESTMONEY - Bangalore
Company Overview: ZestMoney is a consumer lending AI based fintech company
- Product/Project: Re-Payments & Loan management system
- Development of various Micro-Services/ RESTful web APIs in Java (Springboot) and C# (.NET)
- Achieved the maintainability by Migration of multiple micro services from .NET to Java Spring-boot
- Optimization of time and memory to reduce the coast of AWS
- ZestMoney is a consumer lending AI based fintech company

SOFTWARE ENGINEER | 07/2018 - 07/2019
Saggezza - Bangalore
- Development, design, test, maintain and support custom web applications using .NET framework, unit-testing framework
- Development of high-quality code using SOLID and TDD techniques to meet customer requirement
- Reduced the time for execution of Postage charge calculations

Education

IIT Kanpur - Kanpur | B TECH
CIVIL, 06/2018

Achievements

- Secured 99.52 percentile in IIT JEE Advance 2014
- Certificates: Hackerrank - Problem solving, https://www.hackerrank.com/certificates/09001cc2667e

Projects

Parking Lot Problem, 04/01/19 - 05/01/19, https://github.com/tomarji852/ParkingLotProblem
Vending Machine Design, 11/01/20 - 12/01/20, https://github.com/tomarji852/VendingMachine, BASIC CRUD API, 06/01/19, https://github.com/tomarji852/BASIC_CRUD_API
BASIC CRUD API, 06/01/19, https://github.com/tomarji852/BASIC_CRUD_API

Languages

- Hindi, native, or bilingual proficiency
- English, full professional proficiency