

Yougesh Kumar

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Software Engineer with 5+ years of experience designing and optimizing high-performance backend systems for customer-facing applications serving 1M+ active users. Proven expertise in cloud-native architecture, scalable microservices, and distributed systems to ensure reliability under heavy load. Scrum-certified Agile practitioner with a track record of cross-functional collaboration to solve complex technical challenges and deliver enterprise-grade solutions.

SKILLS

- **Languages & Frameworks:** Java, Python, JavaScript, Spring Boot, Spring Framework, React, REST, GraphQL, Swagger
- **Cloud & DevOps:** Azure (AKS, Functions, DevOps, Pipelines), Docker, Kubernetes, Jenkins, Service Bus, Event Hubs, Kafka
- **Infrastructure:** CI/CD, Containerization, Monitoring (Prometheus, Grafana), Logging (ELK, Kibana), Key Vault, Serverless
- **Databases:** MongoDB, Cassandra, Redis, SQL, PL/SQL (Oracle)
- **Security:** TLS/SSL, JWT, OAuth2, Redis Rate Limiting, DoS Mitigation
- **Architecture:** Microservices, Distributed Systems, Multi-Tenant Systems, Serverless
- **Methodologies:** Agile, Scrum, Test-Driven Development (TDD), CI/CD

WORK EXPERIENCE

Software Engineer with Cricket Wireless • Full-time 08/2022 - 07/2025

iVoyant

- Designed backend APIs to offload frontend logic, streamlining Customer360 operations and reducing agent call times by 15%.
- Reduced client-server calls by 40% by introducing a Façade layer, enhancing speed and reliability.
- Prevented Denial-of-Service (DoS) attacks by implementing Redis rate-limiting, reducing security incidents by 90%.
- Migrated legacy on-premises services to Azure, lowering infrastructure costs by 35% and improving scalability for 1M+ users.
- Automated integration testing with Jenkins, accelerating feature delivery by 40% and reducing post-release defects by 30%.
- Implemented cookie-based JWT authentication with CSRF protection to secure user sessions and enhance user experience.
- Transitioned database from Cassandra to MongoDB to leverage flexible data modeling and richer querying capabilities, resulting in a 25% reduction in query latency and improved scalability.
- Developed a Spring Boot microservice that integrates with Firebase Cloud Messaging (FCM) to deliver event-driven, personalized push notifications, resulting in a 15% increase in user engagement.
- Developed real-time alerting and monitoring solutions leveraging the ELK Stack (Elasticsearch, Logstash, Kibana) and Azure Application Insights to minimize downtime and improve system health visibility.

Software Engineer I 06/2020 - 11/2021

Hyperdata Computing (Pvt).Ltd

- Introduced multi-tenant architecture to support 50+ clients on a single instance, reducing infrastructure costs by 20%.
- Secured in-app communication by implementing TLS encryption on Apache Kafka.
- Integrated Apache Kafka with backend services to asynchronously consume and process location messages at 5-second intervals, enabling near real-time location mapping
- Built a real-time command and control web application using React, integrating dynamic UI components with ESRI maps to visualize and interact with live geospatial data.
- Designed and implemented PL/SQL procedures and triggers to automate workflows, validate data, and enforce business rules in a Case Management System, improving operational efficiency by 30%

EDUCATION

Master of Science - MS in Computer Science • Maharishi International University 11/2021 - 06/2023

Bachelor of Science - BS in Computer Engineering • GIKI 08/2016 - 05/2020

CERTIFICATIONS

Azure Developer Associate (AZ-204) 06/2025 - 06/2026

Microsoft

Professional Software Developer Certification (PSDC) 07/2023 - Present

Scrum.org