

OMKAR DONGRE

SOFTWARE ENGINEER | FULL-STACK DEVELOPER

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PROFILE

Software Engineer with 2.5+ years building distributed systems and full-stack applications. Specialized in Go/C++ backend development with hands-on experience in network security, protocol optimization, and database systems. Recently expanded expertise in modern full-stack stack (Next.js, React, Angular). Published researcher in Computer Vision with proven track record in system performance optimization and open-source contributions.

TECHNICAL SKILLS

Go	TypeScript	React	Microservices	RESTful APIs
C	C++	Angular	Docker	Linux
Python	SQL	Express.js	gRPC	MSSQL
JavaScript	Next.js	NestJS	WebSocket	

PROFESSIONAL EXPERIENCE

Data Plane Team Engineer, Sandvine Networks

2021 — 2023

- Designed centralized Go-based microservices for real-time threat detection across distributed network devices using WebSocket connections and concurrent data aggregation
- Optimized session context protocol reducing CPU/memory overhead in PRE-MPE device communication
- Resolved critical production bugs across multiple APIs affecting file handling and performance, ensuring backward compatibility with legacy systems
- Implemented YANG data modeling for network configuration (LACP, VLAN) and developed Docker containerization for security services deployment

Software Engineering Intern, Bentley Systems

2021

- Led Oracle to MSSQL database migration reducing operational costs while optimizing SQL queries and ensuring data integrity
- Enhanced automation testing framework for ALIM platform using Selenium and JMeter; improved test accuracy and coverage
- Conducted performance testing of enterprise web applications and collaborated with dev teams on QA protocols

RECENT DEVELOPMENT & OPEN SOURCE

Full-Stack Development & Contributions

2025 — Present

Active contributor to Trigger.dev; demonstrated ability to work with complex production codebases

EDUCATION

Pimpri Chinchwad College of Engineering

2017 — 2021

B.E. Information Technology

ADDITIONAL INFORMATION

- Links: LinkedIn, GitHub, Portfolio