

# Kavya Nair

Senior Software Engineer – Backend

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## CAREER SUMMARY

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Backend software engineer with 7 years of experience designing and scaling distributed systems for high-growth SaaS and fintech platforms. Specialized in Python, FastAPI, and AWS cloud-native architectures with proven track record of optimizing API performance, leading cross-functional engineering initiatives, and mentoring junior teams. Currently at Slintel post-acquisition by G2, focused on reliability and architecture transformation across microservices infrastructure.

## EXPERIENCE

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### Slintel (Acquired by G2) – Software Engineer II

Aug 2021 - Present

- Led backend architecture redesign for real-time data enrichment pipeline, handling 8M daily API requests with zero downtime, processing 500GB daily data volume –
- Reduced API response time by 42% through Redis caching layer optimization and database query tuning across 12 microservices –
- Mentored 3 junior engineers on system design principles and FastAPI best practices, established code review standards improving team velocity by 28% –
- Received Best Engineering Initiative award at Slintel Q3 2023 for designing observability framework reducing MTTR by 35% –

### Freshworks – Software Engineer

Jun 2019 - Jul 2021

- Built multi-tenant REST APIs for CRM platform serving 50,000+ businesses, ensuring 99.9% uptime and sub-200ms response times –
- Owned CI/CD pipeline migration from Jenkins to GitHub Actions, improving deployment frequency from biweekly to daily and reducing production incidents by 38% –
- Contributed to internal developer tooling including SDK generation framework and monitoring dashboards using Datadog –
- Won Freshworks Hackathon 2020 for building internal performance profiling tool adopted by 40+ engineers –

### Zoho Corporation – Junior Software Engineer

Jul 2017 - May 2019

- Developed backend modules for Zoho Books accounting product using Python and PostgreSQL, delivered 4 major feature releases on schedule –
- Improved test coverage from 40% to 82% across assigned modules through comprehensive unit and integration test suites, reducing production defects by 45% –
- Participated in sprint planning and code reviews, contributing to codebase quality standards and knowledge sharing across 8-person backend team –

## EDUCATION

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### B.Tech in Computer Science

2017

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## SKILLS

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**Technical:** Python, FastAPI, PostgreSQL, Redis, Docker, Kubernetes, AWS Lambda, GitHub Actions, Datadog

**Functional:** System Design, API Development, Microservices Architecture, CI/CD Pipelines, Database Optimization, Observability and Monitoring

**Soft Skills:** Technical Mentoring, Ownership Mindset, Async Communication, Technical Documentation

## CERTIFICATIONS

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- Speaker at PyCon India – Python Software Foundation 2022