

Akshay Sharma

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Product Driven AI Focused Engineer | Tech Agnostic Problem Solver

EXPERIENCE

Findem AI | Typescript, NodeJS, ExpressJS, MongoDB, SQS, S3, SAML SSO

Software Engineer | Dec 2023 - Present, Bengaluru India

ETL Analytics Platform Development

- Owned the end-to-end design and development of a scalable ETL Analytics Platform from scratch, providing critical business intelligence to customers and directly supporting sales in deal closures.
- Impact:** Enabled customers to track key hiring metrics (e.g., candidates shortlisted/hired, time-to-hire, Findem's direct sourcing impact) and analyze recruiter performance, demonstrating tangible ROI.
- Optimized data processing for millions of MongoDB documents, ensuring efficient memory utilization and query performance for the analytics backend.

System Stability & Performance

- Impact:** Diagnosed and resolved critical Out-Of-Memory (OOM) errors in multiple ATS servers, **reducing memory footprint from >30GB to <10GB and eliminating Heap OOM issues**, ensuring high availability and system stability.
- Implemented Azure AD SAML strategy for Single Sign-On (SSO) from scratch, enhancing security and user experience.

AI-Powered Resume Parsing Pipeline

- Engineered and launched a high-throughput, real-time and periodic Resume Parsing pipeline (NodeJS, SQS, S3, OpenAI) to extract and index candidate data, significantly improving the core AI matching capabilities of the Findem platform.
- Impact:** Increased resume data coverage from <50% to 100%; boosted data accuracy from an initial 20% to 99.9%. Achieved and maintained SLA of indexing 100 resumes within 5 minutes during peak loads, ensuring timely data availability for recruiters.
- Implemented comprehensive error and event monitoring, enhancing pipeline reliability and maintainability.

ATS Integration & API Optimization

- Enhanced and optimized integrations with 5+ major Applicant Tracking Systems (ATS) including Greenhouse, Lever, and Workday.
- Impact:** Developed intelligent data synchronization algorithms (e.g., prioritizing active over rejected candidates for ATS lacking webhook support), ensuring data consistency and improving user experience.
- Impact:** Reduced a critical attachment fetching API latency from over **16 seconds to approximately 600ms**, directly addressing a customer pain point and contributing to deal closure.

Payu Payments | Java, Spring Boot, Redis, MYSQL, AWS S3, K6

Associate Software Engineer | July 2022 – Feb 2023, Bengaluru India

Monolithic To Microservice Migration

- Successfully migrated over 5 APIs from a monolithic architecture to a microservices architecture, optimizing traffic and enhancing overall API performance.
- Achieved over 90% test coverage and conducted load testing, ensuring high-quality deliverables and improved system reliability under scale.

Groww | Java, Spring Boot, Redis, MYSQL, AWS S3

Software Engineer Intern | Jan 2022 – July 2022, Indore India

Onboarding Flow

- Gained hands-on experience with Spring Boot and real-time product architecture by debugging and optimizing API performance.

Projects

Shopping Application | Java, Spring Boot, MYSQL, Redis, Okta

- Developed the backend for a shopping application, incorporating key features such as product selection, order placement, and payment processing.
- Implemented authentication and authorization using Okta and the OAuth 2.0 protocol, and applied rate limiting for enhanced security and performance.
- Utilized Config Registry Service to streamline configuration management, enhancing maintainability and scalability by 20%.

SKILLS

- Java • Spring Boot
- NodeJS • Typescript
- Amazon S3 • AWS SQS
- MySQL • MongoDB
- Git • Docker • JavaScript
- Low Level Design
- High Level Design
- Unit Testing • Junit
- Design Patterns • Redis
- Microservices • Express JS
- MVC Architecture • C++
- Event Driven System
- Data Structures • Algorithms

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL
(NIT Bhopal)

B.tech | Computer Science
Engineering | 2018-2022 |
Bhopal, India

CODING HANDLES

Codechef | Reached 4*, solving
advanced programming
challenges and contests.

Github

Leetcode

COURSEWORK

- Operating Systems
- Database Management
- OOPS
- Distributed Systems

INTERESTS

- Hiking • Mystery Video Games
- Cricket • F1 Racing