

## **SUBODH KUMAR**

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### **EXPERIENCE SUMMARY:**

#### **Senior Software Engineer (A3) | EPAM Systems | April 2024 – Present**

- Delivered a high-throughput Annuity-Contract microservice with 8 Mbps throughput, achieving <300ms p99 latency and 99.99% availability.
- Improved system observability and throughput by 20% by engineering a centralized gateway microservice.
- Resolved critical authentication issues by refactoring the EDJO Annuities React frontend with a new auth library.
- Led the team of 5 engineers and developed and optimized frontend modules using Next.js, handling advanced routing, incremental caching, and performance tuning for snippet-collection interfaces.
- Integrated OAuth2 authentication into Next.js applications to enable secure SSO-based user onboarding.
- Enabled safer feature rollouts and reduced incidents by 40% by documenting and implementing a piloting strategy using Launchdarkly.

#### **Associate Consultant | GlobalLogic | November 2021 – April 2024**

- Led the team of 5 engineers for the development of Privacy Preferences, FMECA, and Accounts modules, contributing to on-time enterprise product launches.
- Boosted validation accuracy by building a modular Failure Mode Grid UI using React Hook Form.
- Streamlined async flow by introducing Redux-Saga, enhancing maintainability and debugging.
- Boosted page performance (from 3s to 0.9s) using code splitting, lazy loading, and Redux-Saga for async orchestration.
- Built full-stack features using NestJS (backend) and Next.js (frontend) for an internal task management platform with JWT-based authentication.
- Designed student-lecture relationship management system using NestJS, GraphQL, and MongoDB, enabling highly performant querying and flexible schema evolution.
- Contributed to end-to-end development of Next.js applications with a strong focus on caching strategies, pre-fetching, and dynamic routing.
- Actively collaborated with cross-functional teams to deliver secure, scalable applications using modern JavaScript frameworks across the stack.
- Refactored with Atomic Design, improved component reusability, and reduced bundle size by 35%.
- Increased sprint velocity by 1.5x through mentorship and engineering process improvements.
- Elevated accessibility and test coverage to 90% by enforcing TDD and inclusive design.

#### **Senior Software Engineer 2 | ZEMOSO Technologies | March 2021 - October 2021**

- Reduced user error rates by 50% by developing a robust UI for transaction data workflows.
- Delivered 6 complex features ahead of schedule by mastering internal tooling and frameworks.
- Automated deployment using AWS services like Elastic Beanstalk and CodePipeline, improving release efficiency.

#### **Member of Technical Staff | athenahealth | October 2019 - March 2021**

- Improved app stability by 20% by resolving 50+ bugs in the high-traffic Collector App (~10M hits/day).
- Launched the Coding Notes App single-handedly within a sprint, enabling rapid documentation workflow.
- Enhanced deployment reliability by automating build pipelines via Jenkins.

#### **Lead Engineer | HCL Technologies | June 2019 - October 2019**

- Cut deployment time by 50% by migrating monolithic UIs to a microservices-based architecture.
- Saved recurring licensing costs by replacing SafeNet API with a custom-built authentication layer.

#### **Software Engineer | Temenos | February 2019 - May 2019**

- Conducted product analysis and provided customer support.

**Senior Software Engineer | TPF Software Inc | November 2015 - January 2019**

- Developed internal tools using Java Spring Boot, adopted by multiple teams.
- Automated deployment workflows with Jenkins and Ansible, reducing manual intervention.
- Improved performance of task tracking systems by optimizing algorithms for time and memory.

**TECHNICAL SKILLS:**

PROGRAMMING LANGUAGE: Java, JavaScript (ES6+), TypeScript, HTML5, CSS3.

FRAMEWORKS: React, Next.js, Redux, NestJS, Spring Boot, Jest, Enzyme, JUnit

DATABASES: PostgreSQL, MongoDB, GraphQL

CLOUD & INFRA: AWS (Lambda, EC2, Elastic Beanstalk), Terraform

DEVOPS & TOOLS: Jenkins, CodeBuild, CodePipeline, Ansible, Chef, VS Code

**ACADEMIC DETAILS:**

- B.E. (Computer Science), MVJ College of Engineering Bangalore, 2015.
- 12<sup>th</sup> Standard (2010) and 10<sup>th</sup> Standard (2008) from Kendriya Vidyalaya No 1, Delhi Cantt-10, 2010.

**OTHERS:**

- Set up full CI/CD for personal backend projects using AWS Beanstalk, CodeBuild & CodePipeline.
- Hosted React frontends on AWS Amplify for fast and automated deployment.
- Automated EC2 infrastructure configuration using Ansible and Chef.

**Subodh Kumar**