

DIPANKAR BHATIA

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SUMMARY

Innovative Software Engineer with **2.5+ years** of experience designing high-performance, scalable and distributed full-stack systems. Proven expertise in ensuring system dependability and solving complex challenges to drive business growth

WORK EXPERIENCE

Software Engineer Jul 2024 – Present
Changing the Present | **Java, SpringBoot, MySQL Server, Kafka, Kubernetes** New York, United States

- Reduced backend response times by 25% and scaled services to handle over 100K API calls daily by developing and deploying optimized RESTful APIs using Java and Spring Boot
- Enhanced system efficiency and scalability by integrating Kafka with microservices in a distributed architecture, ensuring fault tolerance and seamless communication across services
- Led the migration of core services to Kubernetes, boosting platform scalability and reducing 20% infrastructure costs

Software Engineer Intern Jan 2024 – May 2024
Stevens Institute of Technology | **React.js, Express.js, GraphQL, MongoDB, Node.js, Git** Hoboken, United States

- Built a full-stack MERN application for managing tasks and team collaborations, incorporating role-based access control to ensure secure and systemizing operations for 200+ users
- Reduced client-side over-fetching by 40% through the implementation of GraphQL APIs, restructuring data fetching and improving application performance and user experience

Software Engineer Mar 2021 – Aug 2022
Kellton | **Java, SpringBoot, MongoDB, AWS, Jenkins, JUnit, Git, Agile** Gurugram, India

- Engineered high-performance Java Spring Boot microservices, optimizing API response times by 30% and increasing system throughput to support 100,000+ concurrent users
- Improved system stability by reducing recurring issues by 90% through root cause analysis & workflow optimization
- Automated deployment workflows by integrating Jenkins for CI/CD pipelines, reducing deployment time from 2 hours to 30 minutes per release and minimizing downtime across multiple environments
- Strengthened microservices security by implementing patches for log4j and Spring4shell, cutting system vulnerabilities by 25% through thorough code reviews and security protocols
- Increased code reliability by 20% through unit and integration testing using JUnit and Mockito, reducing post-deployment issues by 15% and enhancing maintainability

PROJECTS

Stay Ease | **React.js, Java, Spring Boot, Docker, PostgreSQL, AWS Elastic Beanstalk, AWS CodeDeploy** ([link](#))

- Developed a hotel booking system using Spring MVC architecture, incorporating Redis caching to optimize data retrieval, minimizing database load, and enhancing system performance by 60%
- Streamlined deployment process by integrating AWS CodePipeline and CodeDeploy with Elastic Beanstalk, achieving automated CI/CD workflows that reduced deployment time by >90 minutes

Before Release | **Java, Spring Boot, Hibernate, React.js, MongoDB, Firebase, JWT** ([link](#))

- Built a scalable movie evaluation platform with Spring Boot, React.js, and MongoDB, optimizing search performance by 30% using dynamic queries and custom annotations, while ensuring secure user access through Firebase & JWT
- Integrated Hibernate and JPA, enabling efficient database interactions and reducing boilerplate JDBC code by 40%, while leveraging custom annotations for dynamic query generation

Nurture Nest | **React.js, Redis, MongoDB, Redux, AWS S3, Node.js, Socket.io, OAuth** ([link](#))

- Architected a childcare management platform using the MERN stack, simplifying nanny hiring, task tracking, and real-time communication through a secure chat feature built with socket.io, improving platform engagement by 40%
- Integrated AWS S3 for secure storage of user-uploaded images and implemented Redux for state management

SKILLS & CERTIFICATIONS

Programming Languages: Java 17, J2EE, JavaScript, TypeScript, Python, Kotlin, HTML5, CSS3, XML

Frameworks: Spring Boot, Node.js, React.js, Microservices, Android Studio, Docker, Kubernetes

Databases: Oracle, PostgreSQL, MongoDB, MySQL

Tools: Redis, Maven, Kafka, JSON, CI/CD (Jenkins), JUnit, JIRA, Swagger, Git, GCP, DBeaver

AWS Services: IAM, SQS, ECS, Lambda, S3, RDS, Code Deploy, API Gateway, Elastic Beanstalk, Route 53, Cloudwatch, CLI

EDUCATION

Master of Science (M.S.) in Computer Science Sep 2022 - May 2024
Stevens Institute of Technology Hoboken, USA

Coursework: Agile, Software Development, Web Programming, Design Patterns

Bachelor of Technology (B.Tech.) in Computer Science and Engineering Aug 2017 - Aug 2021
Dr. A.P.J Abdul Kalam Technical University Uttar Pradesh, India

Coursework: Data Structures, Algorithms, Operating Systems