

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, Agile** 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**
- Improved system scalability and fault tolerance by integrating **Kafka** with microservices and migrating core services to **Kubernetes**, reducing infrastructure costs by 20%
- Applied **Test-Driven Development** (TDD) to improve code quality through robust testing and streamlined workflows

Software Engineer Intern Jan 2024 – May 2024
Stevens Institute of Technology | **MERN, GraphQL, Git, Agile** Hoboken, United States

- Led a small team in building a full-stack **MERN** application for managing tasks and team collaborations, incorporating role-based access control to ensure secure and streamlined operations for over 200 users.
- Implemented user-friendly, responsive **UI** components using **React.js**, integrating **GraphQL** for efficient data fetching
- Collaborated with the team using **Scrum, Agile**, and **Kanban** methodologies to prioritize tasks and planning sprints

Software Engineer Mar 2021 – Aug 2022
Kellton | **Java, SpringBoot, MongoDB, AWS, Memcached, 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, while maintaining clear & comprehensive **documentation**
- 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
- Optimized application performance by integrating **Memcached** for caching frequently accessed data, reducing latency, and improving response times for high-demand operations
- Leveraged **Pub/Sub** messaging systems to decouple microservices and enhance scalability, ensuring reliable communication between distributed services

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, Go, TypeScript, Python, Kotlin, HTML5, CSS3, XML
Frameworks: Spring Boot, Node.js, React.js, Microservices, Android Studio, Docker, Kubernetes
Databases: Oracle, PostgreSQL, Cassandra, MongoDB, MySQL
Tools: Redis, Maven, GraphQL, Kafka, JSON, Jenkins, JUnit, Azure, Prometheus, JIRA, Swagger, Git, GCP, DBeaver, IntelliJ
AWS Services: IAM, SQS, ECS, Lambda, S3, RDS, Code Deploy, API Gateway, CloudFormation, 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