

# DIPANKAR BHATIA

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## SUMMARY

Innovative Software Engineer with 2+ years of experience in designing high-performance, scalable, and distributed full-stack systems. Proven expertise in ensuring system reliability and solving complex challenges to drive business growth

## WORK EXPERIENCE

### Software Engineer

Jul 2024 – Present

Changing the Present | **Java, Spring Boot, PostgreSQL, OpenShift, Hibernate, Kafka, EC2, Agile**

New York, USA

- Optimized Java-based RESTful microservices with Spring Boot, cutting response times by 25%
- Secured APIs with Spring Security (RBAC) and enhanced monitoring with Spring Boot Actuator for health checks
- Integrated OpenShift on EC2 to streamline deployment, scaling, and management of Java microservices
- Enhanced scalability and decision-making by designing data pipelines and integrating predictive models using Kafka
- Optimized Hibernate configurations, cutting query time & improving caching, achieving 20% cost savings & scalability
- Implemented multi-threading in Java microservices to enhance concurrency and optimize resource utilization

### Software Engineer

Mar 2021 – Aug 2022

Kellton | **Java, Spring Boot, MongoDB, SQS, Jenkins, JUnit, Swagger, Cloudwatch, S3, Agile, Jira**

Gurugram, India

- Engineered high-performance Java Spring Boot microservices, optimizing API response times by 30% and scaling system throughput to support 100,000+ concurrent users, while maintaining clear documentation using Swagger
- Improved system stability by reducing recurring issues by 95% through debugging and extensive root cause analysis
- Automated deployment workflows by integrating Jenkins for CI/CD pipelines and managing version control & collaboration using GitLab, reducing deployment time from 2 hours to 30 minutes per release
- Optimized MongoDB queries, reducing query execution time by 40%, implementing efficient indexing strategies, and leveraging AWS S3 for metadata storage to support high-traffic operations
- Increased code reliability by 20% by implementing unit testing with JUnit and Mockito & Jacoco for coverage analysis
- Used Jira for task tracking to streamline Agile workflows, collaborating within Scrum teams for iterative development

### Software Engineer Intern

Jul 2020 – Aug 2020

Bharat Heavy Electricals Limited | **Angular.js, Node.js, Express.js, GraphQL, MongoDB, Git**

Noida, India

- Led a small team in building a full-stack application using Node.js, Angular.js and GraphQL, incorporating Software Development Lifecycle (SDLC) best practices to ensure a secure and efficient platform for 200+ users
- Developed responsive Angular.js UI components while ensuring secure development practices with Git
- Applied Test-Driven Development (TDD) to improve code quality through robust testing and streamlined workflows

## PROJECTS

Hire Me | **Java, Spring Boot, API Gateway, Spring Data JPA, Neo4j, PostgreSQL, JWT** ([link](#))

- Built a professional networking platform using Java Spring Boot microservices. Leveraged Neo4j for relationship mapping, Spring Data JPA for efficient ORM, PostgreSQL for reliable data storage, and JWT for secure authentication
- Deployed microservices on Kubernetes with Helm charts and integrated API Gateway for traffic management

Stay Ease | **Java, Spring Boot, Docker, Hibernate, PostgreSQL, Firebase, JWT, AWS Elastic Beanstalk, AWS CodeDeploy** ([link](#))

- Developed a hotel booking system using Spring MVC architecture, incorporating Redis caching for optimized data retrieval, JWT for secure authentication, and Docker for containerization, boosting system performance by 60%
- Streamlined deployment process by integrating AWS CodePipeline and CodeDeploy with Elastic Beanstalk, automated CI/CD workflows, cutting deployment time by over 90 minutes

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

- Architected an interactive childcare management platform using MERN stack, integrating OAuth for secure user authentication, implementing a chat feature built with Socket.io, and handling state management using Redux
- Integrated AWS S3 for secure storage of user-uploaded images and implemented Redux for state management

## SKILLS & CERTIFICATIONS

**Programming Languages:** Java 17/21, Python, JavaScript, TypeScript, GraphQL, HTML5, CSS3, XML

**Frameworks:** Spring Boot, Node.js, Angular 14, React, Microservices, Android Studio

**Databases:** Oracle (PL/SQL), PostgreSQL, Neo4j, MongoDB, MySQL

**Technologies:** Core Java, Multithreading, Maven, Gradle, Concurrency, Streams API, OOP, AOP, SOA

**Tools:** Redis, Kafka, JSON, Jenkins, Tomcat, Docker, JUnit, UNIX, Postman, Kibana, JIRA, Swagger, Git, GitLab

**AWS Services:** IAM, SQS, ECS, Lambda, S3, RDS, CodeDeploy, 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: Java Programming, Data Structures & Algorithms, Operating Systems