

Navjot Singh

Full Stack Software Developer

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PROFESSIONAL SUMMARY

- **Full-Stack Developer with 8 Years of Experience:** Skilled in software development, planning, and implementation across diverse environments.
- **Technical Proficiency:** Expert in Node.js, Express, Java (6, 8, 11), Spring Boot, Microservices, GraphQL, Apollo, HTML5, CSS, Next.js, JavaScript, Python, TypeScript, Docker, and Kubernetes.
- **Java/J2EE Development:** Significant contributions to Java/J2EE projects using frameworks like SOA, Hibernate, Spring (Boot), Microservices, RESTful services, and Angular.
- **Web Services Expertise:** Proficient in designing and implementing RESTful/Web Services, XML, REST, SOAP, JSON, and Kafka.
- **Front-End Development:** Extensive experience with modern front-end frameworks such as React.js and Angular.
- **State Management:** Skilled in implementing state management solutions using Redux, Apollo, MobX, and NgRx.
- **Data Handling and Visualization:** Experienced in utilizing Dataiku for Python script flows, managing and querying large datasets with Oracle databases, and creating dynamic, interactive reports using Power BI to enhance data visibility and support decision-making processes.

TECHNICAL SKILLS

Programming languages: JavaScript, TypeScript, Java, Python, HTML5 and CSS.

Frameworks: NodeJS, Spring Boot, Spring MVC, Hibernate, Angular, Reactjs.

Libraries: Express, Redux, GraphQL, Ajax, jQuery, Mocha, Apollo, MobX, Bootstrap, Material UI.

Databases: SQL, Microsoft SQL Server, DynamoDB, Timestream, Oracle DB, PL/SQL, NoSQL – MongoDB, PostgreSQL.

Cloud technologies: AWS, Git, Bitbucket, GitHub, CI/CD, Docker

Concepts: Microservices, Distributed Systems, Frontend, Backend, Full-Stack, OOP, Data Structures.

Other: MVC, JSON, XML, SOAP, RESTful APIs, npm, Jenkins, Swagger, Tomcat, Webpack.

WORK EXPERIENCE

Senior Full Stack Developer

RBC, Toronto, Canada

November 2023 - *present*

Projects: Banking and Investment

Outline: Developing a comprehensive banking and investment platform, integrating front-end and back-end technologies for enhanced user experience and system efficiency.

Technologies: Angular, Java, Spring boot, Power BI, Dataiku, Javascript, Jest, Cypress, MySQL

Responsibilities:

- Developed Angular components with Material UI, JavaScript, TypeScript, and jQuery, enhancing user experience and interface design.
- Built and maintained Power BI reports for large datasets, supporting various use cases.
- Implemented secure and scalable backend services with Spring Boot for banking and investment systems.
- Managed CI/CD processes with Jenkins and version control with Git.
- Utilized Dataiku for Python script flows to automate data processes, improving operational efficiency.
- Created dynamic reports with Power BI Report Builder and Power BI Desktop, focusing on visual analytics.
- Managed and queried large datasets with Oracle database for accurate financial reporting and analysis.

Full Stack Developer

Cence Power, Markham, Ontario, Canada

May 2021 – November 2023

Project: IOT Platform

Client: Cence Power

Outline: Developed an IoT platform with AWS IoT for real-time sensor data visualization, enabling control and interactive charting of sensors like IEQ, motion, water flow, lights, and motion detection. Demonstrated expertise in AWS IoT integration and user-friendly data monitoring interfaces.

Technologies: Nodejs, JavaScript, Typescript, GraphQL, Apollo, Redis, Reactjs, Spring Boot, Java, MongoDB, MySQL, Lambda Functions, Jest, Cypress.

Responsibilities:

- Developed and maintained web applications using JavaScript, Apollo, TypeScript, HTML5, and CSS.
- Implemented backend functionality using Node.js, GraphQL, Express, and various databases including SQL and NoSQL.
- Utilized frameworks like Spring Boot, Spring MVC, and Hibernate to build scalable and efficient Java-based applications.
- Integrated Redux, Ajax, and jQuery libraries to enhance frontend functionality and improve data handling.
- Collaborated with cross-functional teams to develop RESTful APIs and integrate third-party services.
- Worked with version control systems like Git and GitHub to manage codebase and enable collaboration.
- Build complete functionality to fetch the real time IOT devices data from AWS TimeStream using other AWS services such as IOT, AWS S3.
- Involved in the company other projects using technology **Java 8 / Java 11, Spring Boot.**
- Implemented unit test cases for each functionality in **Jest, cypress, React Testing Library**, and Enzyme in the frontend and Mocha and Chai for the backend.
- Leveraged AWS services for cloud deployment, CI/CD pipelines, and containerization using Docker.
- Through the application rich libraries such as Konvajs, Chartjs, D3 for canvas formation and chart formation in the application.
- Build Lambda functions for real time data calculations and for push notifications using **AWS SES, SNS.**

Software Engineer

MotherSumi Infotech & Design, Noida, India

December 2017 - November 2019

Projects: Merger and Acquisition (M&A), Minutes of Meeting Management System (MOMMS),

Outline: Merger and Acquisition (M&A) is a project built for streamlining the process of acquiring and integrating target companies.

Minutes of Meeting Management System (MOMMS) is Integrated meeting management tool with Outlook integration, streamlining agenda creation, file sharing, and collaboration for enhanced productivity.

Technologies: Angular4/6/8, Typescript, Bootstrap, HTML/CSS, Java 8, Java 11, Spring boot, Spring Data JPA, Maven, Postman, Eclipse, AWS Cognito, S3, Lambda, API Gateway, ElasticCache for redis, Hibernate, MySQL, Thymleaf, Bitbucket, GIT.

Responsibilities:

- Receiving the user inputs using rest Controller.
- Designed applications using Spring boot.
- Wrote complex SQL queries using joins and sub queries to retrieve data from the database.
- Involved in controller, services, Repository packages and written efficient, maintainable code.
- Exclusively used @ngrx libraries (store, effects, actions), showcasing common patterns and best practices.
- Used spring boot, rest API for handling requests coming from UI.
- Designed and implemented enterprise-level applications using a robust tech stack, including **Spring MVC, Struts, Hibernate, JPA, Spring Boot, React, Thymeleaf, MySQL, and AWS.** Monitoring pull requests from other fellow developers and conducting sprint meetings in an agile environment.
- Developed **Microservices** using Spring Boot for multiple Services.
- Made user interface modifications using Angular, Bootstrap, CSS, and JavaScript, ensuring an intuitive and visually appealing user experience.

Junior Software Engineer

Avalon Information Systems, New Delhi, India

May 2017 - December 2017

Projects: Monitoring Human Development

Outline: Contributed to the implementation of DevInfo, the UN-approved database solution for tracking human development, facilitating data exchange, generating visual reports, and monitoring progress towards the Millennium Development Goals.

Technologies: AngularJS, Spring boot, Nodejs, Javascript, MySQL, Highcharts, AG Grid, D3.js

Responsibilities:

- Involved in a robust web application dashboard using **AngularJS, Node.js, Java, Spring Boot, PHP, JavaScript, MySQL**, and jQuery to monitor human development.
- Implemented RESTful API architecture for seamless data communication and real-time analytics.
- Utilized Git and Bitbucket for version control, ensuring code integrity and streamlined project management.
- Integrated third-party libraries like **Highcharts, AG Grid, D3.js**, and Fusion Charts for enhanced data visualization.

Junior Software Engineer

Alphamate Technologies, New Delhi, India

September 2015 - May 2017

Responsibilities:

- Designed and implemented multiple web applications using Java, Spring MVC, Spring Boot, AngularJS, MongoDB, and MySQL.
- Played a key role in requirement gathering and sprint planning, ensuring the successful delivery of projects on time and within scope.
- Involved in Bug fixing, debugging and Code review.
- Also contributed to a short-term project involving Java technology, showcasing versatility and adaptability in working with different tech stacks.

PROJECTS

- **Exam Portal:**

An application for conducting the quizzes for the students and maintaining the students records and their profile.
Technical Skills: **Spring Boot, Microservices, Hibernate, Docker, Angular, Spring Security, JWT, MYSQL.**

- **Ecommerce Project:**

Technical Skills: **Spring Boot, Angular, Okta, JPA, MYSQL and Stripe Integration.**

EDUCATION

Post Graduate Certificate in Web Design and Development

Conestoga College, Kitchener, Ontario, Canada

January 2020 – April 2021

Bachelor of Technology in Computer Science

Guru Tegh Bahadur Institute of Technology, New Delhi, India

August 2011 – May 2015

Certification

- OCPJ Certified, Java SE 6 Programmer.
- AWS Certified Cloud Practitioner

OTHER SKILLS

- Strong technical expertise in software development lifecycles like Agile, Scrum, and Waterfall.
- Capable of working in a fast-paced environment and independently.
- Flexible and fast learner, always curious to learn new technologies.
- Excellent team player and project management skills with a good work ethic.
- Ability to write effective unit, integration, and end-user automation tests.
- Ample knowledge of algorithms along with problem-solving and troubleshooting skills.