Manpreet Singh

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SUMMARY OF QUALIFICATIONS

- 12+ years of work experience.
- Experience in developing Web Application using NestJs, React, Typescript, Graphql, and PostgreSQL.
- Experience in developing backend RESTful web services using ExpressJS, Loopback.io, NestJs.
- Experience in developing micro services deployed in Docker Containers.
- Experience in cloud computing (AWS and Google Cloud - GCP).

TECHNICAL SKILL

Programming Languages	: TypeScript, Javascript, Python, Java, Groovy, C#, PHP, PL/Sql
Web Development	: Node.js, Express.js, Ember.js, React, Nest.js, Loopback.io, jQuery, HTML, CSS
Infrastructure	: Kubernetes, Docker, AWS Lambda, Mesos/Marathon, Redis, RabbitMQ, Jenkins, circleCI
Database Management	: PostgreSQL, SQL Server, MySQL, Oracle, TypeORM, Sequelize

PROFESSIONAL EXPERIENCE

Shift4 - *Senior Software Engineer*   **Remote, MA |** *Aug 2023 - March 2025*
- Designed and developed RESTFul APIs using Node.js, Typescript, Javascript, Postgres, Sequelize and Express.js.
- Designed and developed frontend apps using single-spa micro-frontend architecture with React and Typescript.
- Audited payment workflows from POS and Online Ordering systems, identifying latency and system failures.
- Collaborated with teams to enhance the system monitoring and improve error handling mechanisms.
- Contributed to the development of the newly built Launch Control features from scratch, owning to the full stack development of the several modules within Launch Control.
- Developed several new features in the Lighthouse business Manager using Ember.js.
- Debugged and Resolved several production support tickets on regular basis.

6 River Systems (a Shopify Company) - *Senior Software Engineer*   **Waltham, MA |** *Oct 2018 - May 2023*
- Contributed to the developed of containerized application that leverage google pubSub as a messaging service using LoopBack.io, Nest.js, TypeOrm and PostgreSQL.
- Developed and maintained web application using React, TypeScript, Shopify Polaris and GraphQL.
- Integrated Nest.js backend application with the warehouse management system (WMS).
- Designed customer-facing OpenApi Specification(OAS) schemas, ensuring an intuitive and robust interface for developers and external stakeholders.
- Collaborated cross-functionally to understand and address customer requirements, successfully implemented new features and enhancements of existing functionalities.

Akamai Technologies - *Software Engineer II*   **Cambridge, MA |** *Jan 2018 - Oct 2018*
- Engineered a robust test framework from scratch, using Rest-assured for efficient testing of micro services.
- Developed and maintained several REST API tests for every new release.

Hewlett Packard Enterprise - *Software Engineer III*   **Southborough, MA |** *Jun 2016 - Jun 2017*
- Developed and maintained test framework to test REST Apis using Java.
- Developed and maintained several end to end tests using Java and TestNg.

Amadeus North America - *Software Engineer*   **Waltham, MA |** *April 2013 – Jun 2016*
- Developed and maintained test framework for backend web services (REST/SOAP) using Python and C#.
- Developed and maintained test framework using Groovy, Geb & Spock and Selenium WebDriver.

BlueMetal Architects - *Software Engineer*   **Watertown, MA |** *Aug 2012 - Mar 2013*
- Developed and maintained a Sharepoint application for seamless data synchronization between Salesforce and Sharepoint.
- Developed an internal web application using ASP.NET, JavaScript, and C#.

EDUCATION

A.S in Computer Programming - **North Shore Community College, Danvers, MA, USA**
Master's Degree in Business Administration - **IKGPTU, Jalandhar, PB, INDIA**
Bachelor's Degree in Commerce - **Punjabi University, Patiala, PB, INDIA**