NAVIN SHARMA

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EDUCATION

Northeastern University, Boston   **Apr 2024**
Master of Science in Information Systems   3.6/4.0
Relevant courses: Application Engineering, Web Design and User Experience, Cloud Infrastructure, Data Structures

University Of Mumbai, India   **May 2019**
Bachelor of Engineering in Computer Engineering

SKILLS

Programming Languages:	C, C++, Java, Python, JavaScript, TypeScript, C#, Bash Scripting
Web Technologies:	HTML5, CSS3, SASS, Express.js, Redux, REST API, Node JS, React JS, Spring MVC, Spring Boot
Tools and IDE:	Git, Kubernetes, Docker, Postman, NetBeans, VS Code, Apache Kafka
Databases:	RDBMS, NoSQL, MySQL, PostgreSQL, Microsoft SQL Server, MongoDB
Cloud Technologies:	Infrastructure as a Code (IaaC), Pulumi, Packer, Amazon Web Services (AWS), EC2, VPC, Google Cloud Platform (GCP), Terraform, DynamoDB, Load Balancer, Routing, SSL, TCP, Linux, DNS, IP, HTTP

EXPERIENCE

Engineering Intern | UnitedHealth Group | Boston, MA   **Jun 2023 – Aug 2023**
- Automated web applications using **C#** and **APIs** to enhance data flow, resulting in a **70%** reduction in transfer latency.
- Implemented a system for healthcare management in **AGILE** framework, resulting in **50%** reduction in processing time by automating medical record updates and billing processes, removing the need for human intervention.
- Developed a dispatcher and performer workflow for creating automation solutions, optimizing resource utilization, and ensuring consistency in code structure and implementation.

Software Engineer - Automation | QualityKiosk Technologies | Mumbai, India   **Mar 2021 – Jul 2022**
- Designed a solution for transaction system in complete **Software Development Life Cycle (SDLC)** including technical documentation and testing, aimed at enhancing data exchange between the application and external financial data sources.
- Engineered a process for data aggregation from financial reports using **C#, Regex, Macros,** and **SQL**. The project aimed to perform **ETL** on financial data from PDF reports into a centralized database, achieving **60%** faster processing.

Software Developer - Automation | Second Machine Age | Mumbai, India   **Jun 2019 – Feb 2021**
- Enhanced operational efficiency by implementing automation solution for branch audit processes, automating over **200 Excel** templates using **C#**, **web automation, macros, and regex**, resulting in a **90%** improvement.
- Engineered a solution with **C#** for settling transaction disputes. Integrated with banking applications, the solution intelligently retrieves, validates, and processes transaction data, significantly expediting dispute resolution by **75%.**

PROJECTS

Stock Market Portfolio Management System   **Feb 2024 – Mar 2024**
- Created an advanced portfolio management system using **Java SpringBoot (Gradle)** for backend using design patterns—Facade, Adapter, Builder, and ADTs and **Kafka**, establishing a streamlined and highly responsive real-time data flow.
- Constructed an intuitive UI using **React,** improving user satisfaction by **25%** and reducing onboarding time for new users by **40%**.
- Employed **Postgres** as the database solution for storage and retrieval of user data with precision and security.

Assignment Management System   **Sept 2023 – Dec 2023**
- Developed an assignment management system, with **REST API**, **Node.js, Express.js**, and utilized **Sequelize ORM** framework for **MySQL** database interaction.
- Enforced strong authentication and utilized **Git** for version control, employed **CI/CD** pipeline using **GitHub actions workflow**.
- Created auto scalable **AWS** infrastructure with **Pulumi**, enabling continuous delivery across AWS **(Serverless, IAM, SNS, load balancing, SSH, auto scaling, CloudWatch, Route 53, RDS)** and **GCP (storage bucket, service account, IAM binding).**
- Developed **AWS Lambda** service to trigger email notifications for user verification, enhancing user authentication, utilized AWS **DynamoDB** for tracking delivery status.
- Automated the **creation AMIs** using Packer, ensuring consistent, version-controlled environments.

Skillspark   **Mar 2023 – Apr 2023**
- Led a team to develop a webapp utilizing **JavaScript, Node.js, and Bootstrap** for frontend development and **MongoDB** for data storage, with optimized database queries and server-side rendering to improve scalability and performance.
- Designed a user interface with **Angular** for frontend development, implemented a community feature for user engagement, and utilized **Express.js** and the **RESTful API** for the back-end functionality.
- Containerized the application using **Docker**, automated continuous deployment, resulting in **75%** reduction in deployment errors.