Pranav Khismatrao

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# EDUCATION Northeastern University, Boston, MA Expected May 2024

***Master of Science in Software Engineering Systems* GPA: 3.69/4.0**

***Relevant courses:*** *Object Oriented Design, Web Design, Enterprise Software Design*

# University of Mumbai, India May 2020

***Bachelor of Engineering, Information Technology***

***Relevant Courses:*** *Data Structures Algorithms, Database Management, Cloud Computing,* *Distributed Systems*

# TECHNICAL SKILLS

# *Programming: Java, Python, C/C++, JavaScript, HTMLS, CSS, Node.js/Express*

# *Frameworks, Libraries, and tools: Git, Java-Spring, Spring MVC, React, REST API, Microservices*

# *Cloud Technologies: Kubernetes, Docker, AWS, CI/CD, Jenkins*

# *Databases: SQL, MongoDB, PostgreSQL, Aerospike*

# EXPERIENCE

**Software Developer** **Jan 2021 - Jul 2022**

*Tata Consultancy Services, India*

* Collaborated with team lead to build internal company applications using **Thymeleaf** for Frontend and **Spring boot** as Backend to develop **REST APIs**, resulting in 60% reduced time.
* Designed a responsive website using the **Spring MVC Framework** with a multipurpose goal for the client-side team to view and search recorded team meetings increasing employee efficiency by 50% and reducing delay by 90%
* Resolved critical production bugs within **9 hours**, reducing downtime by **60%** and improving customer satisfaction
* Programmed 3 optimal solutions with team of 3 leveraging RPA Technology with 20 deploy cases utilizing Agile Methodology
* Led team of three in developing dynamic web portal, cutting lag time by 50% and doubling operational efficiency
* Delivered 2 end-to-end projects utilizing JavaScript, JSP and Node.JS with mongo DB as backend, displaying data from APIs with rich User experience and functionalities using visual Studio, IntelliJ
* Accomplished 6 months of training held by TCS with course content including C# language, and MVC framework

**Android Developer Intern** **Aug 2019 – Sep 2019**

*Sudesi Infotech, India*

* Developed intuitive and user-friendly front-end screens for Android applications using Android Studio, contributing to the overall user experience.
* Actively worked with 2 teams to understand and implement project requirements, wireframes, and design specifications.
* Collaborated with the back-end team on 2 projects to integrate front-end screens with the server-side functionality

# ACADEMIC PROJECTS

**Online Movie Booking System| Spring Boot, Hibernate, SQL, Java, Security, REST API** **Mar 2023 - Apr 2023**

*Enterprise Software Design, Northeastern University*

* Developed an Online Movie Booking system using Java **Spring Boot** framework, **hibernate** applying DAO Pattern to access Data from SQL Database
* •Implemented **RESTful APIs** for seamless communication between the front-end and back-end systems, resulting in a 40% improvement in API response time and data transfer efficiency.
* Programmed front-end using modern web technologies (**HTML, CSS, Bootstrap, JavaScript**) combined with thymeleaf

**CRM for Bank | Java, Micronaut, RESTful APIs, NoSQL, Aerospike** **Nov 2022 - Dec 2020**

*Object Oriented Design Subject, Northeastern University*

* Created a centralized system that allows customers to register and open accounts in a bank branch as well as credit and debit certain amounts according to business rules
* Utilized **Java** as the backend technology implementing Object Oriented Design Principles, **Micronaut** as the **API creation** for better performance and code efficiency and **Aerospike** as **NoSQL** real-time database

**NU Chronicles | React, JavaScript, Bootstrap, NodeJS, MongoDB****Nov 2022 – Dec 2022**

*Web Design and User Experience, Northeastern University*

* Designed and implemented the interactive front-end using React and developed the backend using Node.js and MongoDB
* Engineered the back-end using Node.js and MongoDB applying best practices, resulting in a 30% increase in application performance and a 50% decrease in loading times
* Utilized RESTful APIs, resulting in a 15% decrease in data transfer time and a 10% increase in user satisfaction

# ACADEMIC PUBLICATIONS

**Phishing-Inspector (ICACC-2020):** July 2020, **DOI:** <https://doi.org/10.1051/itmconf/20203203004>