Mudit Khanna

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Versatile **Full-Stack Developer** with expertise in front-end development, backend microservices, and comprehensive feature enhancements. Skilled in designing and implementing APIs, with a dedicated focus on testing and ensuring high-quality deliverables. Actively seeking opportunities in full-stack developer roles.

EDUCATION

Humber College — Toronto, Canada
*Information Technology Solutions GPA **90.4** (Deans Honor - **4 sems**)* — *Jan 2022 - Aug 2023*

Guru Nanak Dev University — Punjab, India
Bachelor of Computer Applications CGPA 8.4/10 — *Jun 2016 - Jun 2019*

PROGRAMMING SKILLS

Languages: Java Enterprise (J2EE), JavaScript, TypeScript, Structured Query Language, HTML

Technologies: Spring Framework/ Spring AOP/ Spring Data JPA/ Spring Security/ Rest Template, Java Servlets, Angular, React, Thyme leaf, ASP.NET MVC / Identity Framework, REST API/ SOAP API / Micro services, Postman, Axios , ExpressJS, NgRx , Git/ GitHub , JWT authentication , Swagger , MySQL/ H2 database engine/ PostgreSQL , AWS/ AWS Lambda/ AWS IAM/ EC2 Instance/ CloudWatch/ S3 Bucket/ Simple Queue Services

EXPERIENCE

OracleLens — Toronto, Canada
Lead Full Stack Developer · Kaizen — ***May 2023 - Aug 2023***

- **Led a team of 3 developers**; successfully conceptualized and implemented e2e renewable energy trading platform
- Implemented **authentication** and **authorization** components, resulting in a **35%** increase in website traffic
- Built best in industry features: Component bidding, auto-closure of contracts**, real time contract pricing**
- Technologies Used: Angular, Spring Framework, Spring Security, JWT Auth, Bootstrap, Angular Material, SQL

Data Aces — Toronto, Canada
Software Engineer Intern · WM Migration — ***Aug 2022 - Dec 2022***

- Minimized data storage cost by enabling migration of **Java services** & **AWS Lambdas** from Cassandra DB to Astra
- Responsible for rewriting API contracts, **deploying updated lambdas** on cloud and E2E performance compliance
- **Redefined data flow** architecture to establish dependencies on new services in production environment
- Technologies Used: AWS Lambda, AWS CloudFormation, SQS, SNS, Java Microservices

Capgemini — Chennai, India
Senior Software Engineer · Advanced Modelling Platform - General Electric — ***June 2020 - December 2021***

- Actively participated in **Program Increment (PI) plannings**, collaborate on feature selection for upcoming sprints
- Implemented fixed and variable cost forms, CM % table for evaluated commercial cost estimations annually
- Conducted testing of freshly implemented features; extensive unit tests covering **mock services and front-end**
- Revamped scheduling for turbines and generators, integrating predictive maintenance, service scheduling
- Technologies Used: Angular, NgRx, CSS, Spring Framework, PostgreSQL

Capgemini — Chennai, India
Software Associate · GFSK - General Electric — ***June 2019 - Jun 2020***

- Enhanced the functionality by incorporating new features which provisioned data with a single button click
- **Designed new API contracts** to fetch and store inventory data for turbines, steam engines and generators
- Technologies Used: AngularJS, JavaScript, JDBC, Java Enterprise

PROJECTS

Game Hub: A web application built using **Vite** and **React**, enhanced with **Chakra UI**

- Integrates genre filter features, resulting in a **50%** reduction in genre-based search.

- Addressed accessibility concerns by incorporating a **dark mode toggle**, enhancing the user experience for individuals with visual sensitivities.

- Seamlessly integrated with the RAWG API, ensuring that users have access to comprehensive game details.

Healthcare Lab: A Healthcare Laboratory Management Application, utilizing the **Angular UI**, **Spring Components**, **PostgreSQL**, **JWT auth**, and **Spring Security** for secure access control.

- Streamlined appointment scheduling, reducing administrative workload, and enabling hassle-free scheduling for staff and patients, resulting in a **40%** increase in appointment efficiency.

- Facilitated efficient test assignment to patients by physicians, leading to a **30%** reduction in test assignment errors and delays.

- Implemented role-based access control for staff, physicians, and technicians, ensuring data security and personalized workflows, resulting in a **25%** decrease in unauthorized access incidents.

Questionnora: An **ASP.NET MVC** web application enabling users to post and answer questions like **Quora**.

- Implemented **secure authorization and authentication** using the **Identity Framework**, ensuring data privacy and protecting user accounts from unauthorized access, contributing to a **95%** reduction in security-related incidents.

- Established **role-based access** control, empowering administrators with exclusive privileges for editing and deleting content, maintaining data integrity, and reducing content manipulation incidents by **98%.**

Restaurant Menu/Employee Management: An **ASP.NET MVC** application tailored to streamline restaurant operations.

- Simplified menu creation for restaurants, enabling the addition of dishes with ease, resulting in a **40%** reduction in menu management time and ensuring an up-to-date menu.

- Streamlined employee management by efficiently scheduling shifts and maintaining employee records, leading to a **30%** improvement in staff scheduling accuracy.

- Utilized Bootstrap to design an intuitive and visually appealing user interface, enhancing the overall user experience.

- Implemented role-based access control using **the Identity Framework**, ensuring secure login and personalized access for different user roles, contributing to a **95%** reduction in unauthorized system access incidents.