

## PRIYANK PATEL

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### PROFILE

I am a results-driven software developer with a strong background in Frontend and Full Stack development. Driven by curiosity and a deep appreciation for well-structured and maintainable code, I believe that great software is built with the user in mind. I enjoy transforming ideas into impactful digital experiences that bridge the gap between functionality and usability in every project, while optimising them for performance and scalability.

### EDUCATION

#### **Queen's University Belfast** (*Belfast, United Kingdom*)

2024 – 2025

Master of Science in **Software Development**, with Distinction (76%)

- Modules: Programming (84/100), Web Development (84/100), Databases (80/100), Computing Foundations (79/100), Software Engineering (60/100), Dissertation (73/100)
- Served as a Course Representative, gathering and presenting feedback from 90+ students to the Student Voice Committee, driving improvements in course delivery and professor engagement

#### **Kalinga Institute of Industrial Technology** (*Bhubaneswar, India*)

2014 – 2018

Bachelor of Technology in **Electronics and Telecommunication Engineering**

- Relevant modules: Programming in C, Data Structures and Java Programming, Microprocessors and Microcontrollers, Digital Communication Techniques, Control Systems, Data Communication and Networking, Computer Organisation and Operating Systems
- Served as a core member of the coding society, collaborating with colleagues to organise coding events, fostering a competitive programming environment while building my own skills in the process

### KEY SKILLS

- Frontend Development: HTML5, CSS3, Sass, Bootstrap, jQuery, Shopify Liquid
- Backend Development: Node.js, Express, .NET Core
- Languages: Java, JavaScript (ES6), TypeScript, C#, C++, C
- Frameworks and Libraries: React, Angular
- Database Management: MongoDB, MySQL, Microsoft SQL Server
- Version Control: Git
- Operating Systems and Tools: Windows 10/11, macOS, Ubuntu, Microsoft Office suite

### WORK EXPERIENCE

#### **Deloitte US-India** (*Bangalore, India*)

Sept 2022 – Aug 2024

*Frontend Developer*

#### **Food and Beverages online store**

- Developed the skeleton layout for 5+ custom pages in a Shopify store, facilitating the launch of 8 production stores across 20+ markets
- Implemented customisation features for administrators to utilise custom brand fonts and colours, enhancing brand consistency
- Created 3+ custom components to enhance the functionality and user experience of the store
- Spearheaded code management using GitHub, ensuring robust branch protection protocols
- Supervised the frontend team, mentoring 3 colleagues and ensuring adherence to quality standards
- Collaborated directly with client team members to finalise the technical approach for new features, ensuring alignment with client requirements and expectations

#### **Configure, Price, and Quote application**

- Developed 30+ modules and 5+ reusable components of an SAP CPQ system using Knockout.js for a leading firm in the Technology domain, enabling a revenue of over USD 10 billion
- Built 10+ components from the ground up by gathering and providing inputs on the final designs
- Spearheaded the development and maintenance of frontend templates for the Pricing module, guaranteeing seamless functionality
- Provided regular knowledge transfer sessions for skill development for 5+ members of the team
- Ensured more than 80 percent code coverage with JEST unit test cases, reducing defect count by 20 percent and actively mentored colleagues on adopting effective testing practices
- Drove significant improvements in application performance through targeted optimisations, improving system responsiveness by 90 percent

**Freight Brokerage application**

- Upgraded 2 modules of a Freight Brokerage application using Angular 11 contributing to enhanced functionality for a leading firm in the Logistics domain
- Provided inputs on the final design of the application to enhance user experience

**Research and Analysis application**

- Developed an application that enabled over 5000 members of the research team to understand the evolution and structural history of an Earth Basin
- Enabled modelling and simulation features in the application using Angular 11
- Developed the APIs required to extract and manipulate data from over 500 tables in 4 databases
- Redesigned the Map Viewer using OpenLayers, reducing load time by 60 percent
- Prepared 500+ unit test cases to ensure SonarQube checks are passed for code cleanliness
- Performed monthly regression testing for 1000+ test cases, ensuring application stability

**Asset Management application**

- Upgraded an Asset Management system with more than 3000 users, for the research centres of a leading firm in the Oil and Gas industry
- Gathered business requirements and implemented the business flow for 10 modules of the application
- Identified the bottlenecks in the application workflow and reduced the latency by 35 percent
- Created 5+ scripts using Microsoft SQL Server to extract large amounts of data in a readable format, increasing efficiency by over 85 percent
- Worked directly with around 50 users quarterly, to discuss the enhancements and inconsistencies in the business flow, improving user experience
- Led comprehensive training sessions for multiple onshore client members on the upgraded version, empowering them to proficiently manage assets and identify research gaps

**PROJECTS**

- Dissertation: Developed a full-stack campus navigation app using React, Leaflet, Express, and MongoDB, with features like real-time routing, event search, location suggestions, and admin moderation; integrated Cloudinary for media storage and MapTiler for custom maps
- Web Development: Developed a full-stack university portal using Express, EJS, and MySQL, allowing students to log in and view their grades, modules, and profile details, while staff can manage student records and academic data through secure dashboards
- Software Engineering: Collaborated in a team of four to build a multiplayer, text-based Java game inspired by Monopoly, incorporating turn-based gameplay, property ownership, and dynamic quizzes to manage carbon balance between players
- Databases: Designed and implemented a MySQL database replicating Ticketmaster UK, featuring user sign-up and sign-in, event and venue search, performer details, reviews, seat maps, and seat booking with real-time availability tracking

**RECOGNITIONS**

- Received the Applause award for proactively identifying and resolving bottlenecks in the application, leading to significant improvements in key performance metrics (Deloitte US-India)
- Received the Spot award for implementing GitHub with the application, streamlining version control processes and enhancing code management (Deloitte US-India)
- Received the Key Contributor award in the Asia Pacific region, for committing to the client's needs in trying times, with a sense of leadership and urgency (CGI India)
- Received the Applaud award in the domain of Intrapreneurship and Sharing, appreciating leadership skills in a crucial time for the team (CGI India)
- Received the Applaud award in the domain of Partnership and Quality, appreciating the efficient user connects (CGI India)

**REFERENCES**

- Dr Bee-Yen Toh (Dissertation Supervisor) – b.toh@qub.ac.uk
- Kavita Bareda (Team Lead, Deloitte) – kbareda@deloitte.com