

## Pulkit Mehta

Senior Technical Lead

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## CAREER PROFILE

With over 6 years of experience as a Senior Technical Lead, I possess a robust track record of delivering cutting-edge, high-quality solutions across diverse projects. My expertise spans both front-end and back-end technologies, complemented by strong leadership capabilities that have consistently driven teams to exceed project expectations.

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## TECHNICAL EXPERTISE

### Technologies:

- **Programming Languages:** JavaScript (Node.js, React.js, Express.js), .NET (C#)
- **Cloud Services:** Azure (Web Services, Azure Functions, Azure DevOps)

### Front-End Development:

- **Frameworks and Libraries:** React.js, Redux, HTML5, CSS3, JavaScript, Tailwind CSS, Bootstrap

### Back-End Development:

- **Frameworks:** Node.js, Express.js, .NET Core
- **Database Management:** MongoDB, SQL Server, Azure SQL Database

### DevOps and Cloud Technologies:

- **CI/CD Pipelines:** Azure DevOps, Jenkins
- **Containerization and Orchestration:** Docker, Kubernetes
- **Cloud Deployment:** Azure Web Services, Azure Functions

### Web Technologies:

- **API Development:** RESTful APIs
- **Web Development Tools:** Visual Studio, Visual Studio Code, Postman, Swagger

### Tools and Version Control:

- **Development Tools:** Visual Studio, Visual Studio Code
- **Version Control Systems:** GitHub, Azure Repos

### Testing:

- **Testing Frameworks:** Cypress, Selenium, JUnit
- **Debugging Tools:** Chrome Developer Tools, Visual Studio Debugger

### Methodologies:

- **Development Practices:** Agile, Scrum, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD)

### Logging and Monitoring:

- **Logging Tools:** Azure Monitor, Log Analytics
- **Monitoring Tools:** Application Insights, Splunk

### Infrastructure:

- **Azure Services:** Azure Web Apps, Azure Functions, Azure Storage, Azure SQL Database, Azure Kubernetes Service (AKS)
- **Microservices Architecture:** Node.js with Docker, .NET Core with Docker

### Additional Skills:

- **API Management:** Azure API Management
  - **Authentication and Authorization:** OAuth2, JWT, Azure Active Directory
  - **Build Tools:** Webpack, Babel
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## WORK EXPERIENCE

### Senior Technical Lead

Clear Dynamics, Bendigo & Melbourne  
March 2020 – June 2024

#### Project 1:

*Grain price Bidding Portal ( July 2022 – May 2024 )*

**Project Overview:** Led front-end development for a large-scale grain bidding platform for traders in a multinational company. Employed React.js for frontend development, .NET for backend services, and microservices architecture.

#### Responsibilities:

- Developed frontend features using React.js and Redux, ensuring seamless integration with backend microservices.
- Utilized React Table to craft a dynamic bidding table with an array of features for streamlined data visualization, enabling simultaneous updates of prices for multiple grades.
- Collaborated with UX/UI designers to create intuitive interfaces and enhance user experience.
- Conducted performance optimization to improve application speed and responsiveness.
- Managed CI/CD pipelines for automated deployment and release management.
- Acted as a primary point of contact for frontend-related matters, facilitating communication and feedback between stakeholders and the development team.

## TECHNOLOGY STACK

React.js, Redux, TypeScript, .NET, Microservices Architecture, CI/CD Pipelines, Cypress, Azure

## **Project 2:**

*Loan Origination Process for a Bank (Jun 2021 – May 2024)*

**Project Overview:** Led front-end development for a bank's loan origination system, optimizing the application process for customers and employees.

### **Responsibilities:**

- Developed frontend components using React.js and Redux, ensuring seamless integration with backend microservices.
- Developed a comprehensive application process for a new banking product, ensuring a seamless experience for both staff and clients. Incorporated multiple checks with third-party APIs to validate data before reaching completion, enhancing security and efficiency throughout the process.
- Collaborated with UX/UI designers to implement intuitive interfaces and user-friendly features.
- Use Lean and Agile principles, techniques and tools for product delivery and support.
- Actively participate in Sprint Planning, Team Retrospectives, and Story Refinement sessions.
- Identify and communicate challenges/risks faced by the team to complete tasks
- Actively participate in team feedback sessions, positively receive constructive feedback, and formulate strategies to work on and improve performance based on feedback received.
- Actively mentoring Interns on Development best practices

### **TECHNOLOGY STACK**

React.js, Redux, TypeScript, .NET, Microservices Architecture, CI/CD Pipelines, Cypress, Azure

### **Project 3:**

*Credit Card Application System for a Financial Service Provider ( Oct 2022 - Nov 2023 )*

**Project Overview:** Led the development of an online application form and a staff portal for various credit card offerings at a leading financial service provider. The project aimed to streamline the credit card application process, improve user experience, and enhance the efficiency of the internal approval workflow.

#### **Responsibilities:**

- Developed a responsive and user-friendly application form with React.js and Tailwind CSS, ensuring intuitive user interactions and validation checks.
- Designed and implemented a robust server architecture with Node.js and Express.js to handle form submissions, data processing, and integration with other services.
- Developed RESTful APIs for efficient communication between the front-end and back-end systems, ensuring seamless data flow and operations.
- Implemented comprehensive validation logic to ensure data integrity and consistency at both the server and database levels.
- Utilised MongoDB for secure data storage and efficient retrieval, implementing optimized queries for better performance.
- Created an internal portal for staff to review and manage applications, with features like tracking, status updates, and automated notifications.
- Integrated third-party services for credit checks and applicant verification, extending the functionality of the application.
- Ensured application security by following best practices such as encryption, input validation, and implementing secure user authentication and role-based access control using JWT.
- Deployed on a cloud platform for high availability and scalability, providing ongoing support and enhancements.

#### **TECHNOLOGY STACK**

React.js, Redux, Typescript, HTML5, CSS3, JavaScript, Node.js, Express.js, MongoDB, JWT, Axios, Tailwind

## **Project 4:**

*Educational Staff Portal and Student Application System for a University (Nov 2021 - Sep 2022)*

**Project Overview:** Led the development of a comprehensive staff portal and student application system for a university. The project aimed to streamline administrative tasks, improve the application process for students, and enhance the overall user experience for both staff and students.

### **Responsibilities:**

- Developed a responsive and intuitive application system using React.js and Material UI facilitating easy navigation and interaction for students.
- Designed and implemented scalable and maintainable server architecture using Node.js and Express.js to handle various functionalities including student data management, application processing, and administrative tasks.
- Created RESTful APIs for seamless communication between the front-end and back-end, ensuring efficient data flow and operations.
- Employed MongoDB for secure and efficient data storage and management, optimizing queries for better performance.
- Created a feature-rich portal for university staff to manage student applications, scheduling, and communication.
- Ensured application security by implementing best practices such as input validation, encryption, and secure user authentication and authorization using JWT.
- Integrated various third-party APIs for real-time data validation and communication with external systems.
- Ensured high availability and scalability by deploying the application on a cloud platform, and provided continuous support and improvements.

### **TECHNOLOGY STACK:**

React.js, Redux, Typescript, HTML5, CSS3, JavaScript, Node.js, Express.js, MongoDB, JWT, Axios, Material UI

## **System Engineer**

Infosys Ltd, India

July 2016 – February 2018

**Project:** *Online Music App (Jan 2017 - Feb 2018)*

**Project Overview:** Contributed to the development of an online music streaming app, aimed at providing users with a platform to upload, share, and discover new music.

### **Responsibilities:**

- Designed and developed frontend components using HTML5, CSS, Angular.js and JavaScript to create a responsive and interactive user interface.
- Implemented audio playback features and user authentication functionalities to enable users to stream and upload music.
- Collaborated with backend developers to integrate frontend components with backend APIs using RESTful principles.
- Conducted user interface testing and debugging to ensure compatibility across various browsers and devices.
- Worked closely with UX/UI designers to implement design mockups and improve overall usability.

## **TECHNOLOGY STACK**

HTML, CSS, Java, Angular.js

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## **EDUCATION**

### **Master of Information and Technology**

*Deakin University, Burwood*

Feb 2018 – Nov 2019

### **Bachelor of Engineering**

*Panjab University, Chandigarh*

April 2012 – May 2016

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## **REFEREES**

Available on request