Industrial Training Experience at TX Solutions Pvt Ltd

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External Supervisor
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Overview

- Organization Profile

- Project Experience

- Knowledge and Skills gained

- Challenges and Issues faced

- Conclusion

- References

Organization Profile

Basic Information

- **Name**   - TX Solutions Pvt Ltd
- **Address** - Narammala, Kurunegala, Sri Lanka.
- **E-mail**   - tx.solutions.projects@gmail.com
- **Web**   - https://txsolutions.online

Organization Profile

Services

- **Web Development**
  - Custom web solutions built with cutting-edge technologies.
- **AI Agent Development**
  - Intelligent automation solutions powered by advanced AI.
- **CRM Automation**
  - Streamline your business processes with smart automation.
- **Low-Code Development**
  - Rapid application development with low-code solutions.
- **AI Visual Generation**
  - Advanced AI-powered visual content creation.

Organization Profile (Contd.)

Clients

- **All Clients with Top-Level Domain Names:**
  - Local and international businesses and enterprises across various sectors.
- **Authorized Agents:**
  - Partnerships with authorized agents who facilitate the distribution and management of services.
- **Affiliations:**
  - Collaborations with educational institutions, government bodies, and industry leaders.

Project Experience

Travel Agency Web Application

- **Role:** Frontend Developer

- **Technologies Used:** React.js, Tailwind CSS

- **Features Developed:**

  - Responsive user interfaces for a travel booking platform.

  - Reusable UI components like booking forms.

  - Dynamic search filters with instant results (no page reloads).

Project Experience

KDSJ International Web Page

- **Role:** Full-Stack Developer

- **Technologies Used:** React.js, Tailwind CSS, PocketBase, n8n

- **Features Developed:**

  - Device-compatible web components.

  - Backend integration for managing events and blogs data.

  - Workflow automation for saving form submissions into Excel sheets.

Project Experience

SDS Fixtures and Fittings

- **Role:** Frontend Developer

- **Technologies Used:** React.js, Tailwind CSS

- **Features Developed:**

  - Mobile-friendly web portfolio for a local hardware business in Australia.

  - Reusable components like product cards, filters, and contact forms.

  - Planned hosting on HostGator after development completion.

Knowledge and Skills gained

Technical Skills

- **React.js & TypeScript Mastery:**
  - Created reusable components like booking forms and product cards.
  - Developed dynamic search filters without page reloads.
- **Low-Code Development (Power Apps):**
  - Designed basic applications without extensive coding.
- **Workflow Automation (n8n):**
  - Automated repetitive tasks like data insertion into Google Sheets.
- **Backend Integration (PocketBase):**
  - Managed user data and authentication for small-scale apps.

Knowledge and Skills gained

Cognitive Skills

- **Problem-solving**: Debugged API connection issues and layout bugs.

- **Time Management**: Used time-blocking techniques to balance coding, meetings, and learning.

- **Adaptability**: Adjusted to remote work environments effectively.
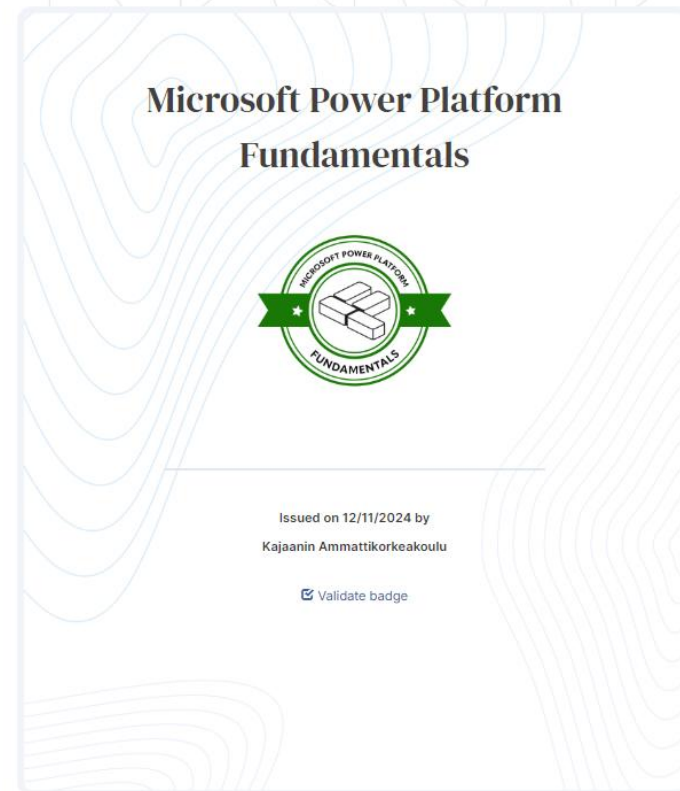
Knowledge and Skills gained (Contd.)

Interpersonal Skills

- **Remote Collaboration:** Worked with GitHub for task management and code sharing.

- **Communication**: Maintained daily updates during stand-up meetings.

- **Teamwork**: Collaborated closely with designers and developers.

Knowledge and Skills gained (Contd.)

Certifications

Challenges and Issues faced

- **API Integration Errors**: Resolved using Postman for debugging and revising API routes.

- **Remote Work Deadlines**: Managed with Trello boards and time-blocking strategies.

- **Ethical Challenges**: Ensured GDPR compliance by anonymizing test data.

Conclusion

- Bridged the gap between academic theory and industry practices.

- Gained hands-on experience in React.js, Tailwind CSS, PocketBase, and n8n.

- Developed technical, cognitive, and interpersonal skills.

- Future Focus: Automation tools and ethical AI development.

References

- Official Website: https://txsolutions.online

- React Documentation: https://legacy.reactjs.org/docs/getting-started.html

- Tailwind CSS Installation Guide:

  https://tailwindcss.com/docs/installation/using-vite

- GitHub Repository for PocketBase:

  https://github.com/pocketbase/pocketbase

Thank You!