Darshan M P

☎ 7899167595

✉ darshan.mp@ngxsystems.com

To associate myself with a dynamic corporate environment that requires analytical skills and helps to add value to my career by providing constant real-world challenges and problem-solving opportunities.

WORK EXPERIENCE

NGX Systems Pvt Ltd - *Bangalore, India*   *08/2023 - present*

SOFTWARE ENGINEER

PROJECTS

Awatar Dashboard:

The Awatar Web Application serves as a central hub for managing various aspects of business operations within the Awatar ecosystem, offering a user-friendly interface and essential functionalities tailored to enhance efficiency and productivity.

Key features of the Awatar Web Application include:

- Listing Outlets and Items: Users can easily view and manage their outlets and item lists within the application, facilitating seamless organization and accessibility.
- User Business Dashboard: The dashboard provides users with a comprehensive overview of their business metrics, including sales, inventory levels, and financial data. This feature empowers users to track performance and make informed decisions.
- Reporting Capabilities: The web application offers various types of reports, such as sales reports, inventory reports, and financial reports. Users can generate these reports to gain insights into their business operations and trends.
- Subscription Management: Users can manage their subscriptions within the application, ensuring uninterrupted access to essential features and updates.

- The Awatar Web Application is developed using TypeScript in conjunction with React for frontend development, enhancing code robustness and maintainability. Additionally, Axios is utilized for handling HTTP requests and Redux for efficient state management, ensuring a smooth and responsive user experience.
- As a member of the development team, I contributed to designing intuitive interfaces, implementing key features, and ensuring the application meets the needs of businesses within the Awatar ecosystem. Our goal was to deliver a user-friendly solution that enables businesses to streamline their operations and drive success.

XPOS-Dashboard:

The XPOS Web Dashboard is a feature-rich platform designed to offer comprehensive insights and control over various aspects of XPOS usage, tailored to enhance billing functions, table management, and item management efficiency within the XPOS ecosystem. This web-based dashboard provides users with real-time data and intuitive controls to streamline operations and drive business success.

Key features of the XPOS Web Dashboard include:

- Comprehensive Monitoring: Users gain access to a holistic view of XPOS usage, enabling real-time monitoring of key metrics and performance indicators. From sales trends to customer traffic patterns, businesses can leverage valuable insights to inform decision-making and optimize operations.
- Enhanced Billing Functions: Advanced billing functions are seamlessly integrated into the dashboard, allowing users to efficiently manage transactions, track sales, and analyze revenue streams. Customizable billing settings enable businesses to tailor the billing process to their specific needs, improving accuracy and efficiency.
- Table Management: Robust table management capabilities empower users to view and manage table layouts, assign orders to tables, and track table occupancy in real-time. This feature streamlines table turnover, enhances customer service, and maximizes seating capacity.
- Item Management Efficiency: Users can easily manage menu items, update prices, and monitor inventory levels directly from the dashboard. Seamless integration with XPOS ensures that changes made in the dashboard are reflected instantly in the POS system, eliminating manual data entry and minimizing errors.
- The XPOS Web Dashboard is developed using JavaScript for front-end development, ensuring a responsive and visually appealing user interface. Additionally, technologies such as Axios are employed for handling HTTP requests, while Redux manages state efficiently, providing a seamless user experience.

- In my role involving development, design, and project management, I contributed to the creation of the web dashboard, collaborating with teams to design intuitive interfaces, implement robust functionalities, and ensure project success. My involvement helped deliver a sophisticated monitoring tool that meets the evolving needs of businesses operating within the XPOS ecosystem.

XPOS Flutter Dashboard:

"I have contributed to a team project focused on implementing key functionalities within an Android application developed using Flutter. Specifically, my role involved working on the implementation of app flavor CRUD operations and mapping app flavors to terminals.

Key highlights of my contributions include:

- App Flavor CRUD Operations: I played a pivotal role in implementing CRUD (Create, Read, Update, Delete) operations for managing app flavors within the Flutter application. This involved creating intuitive interfaces for users to add, view, edit, and delete app flavors as needed.
- Mapping of App Flavors to Terminals: Additionally, I was responsible for implementing the functionality to map app flavors to terminals within the application. This involved designing and implementing a seamless process for associating specific app flavors with designated terminals, ensuring efficient management and deployment of app configurations.
- Throughout my involvement in these specific areas, I collaborated closely with the development team to ensure the seamless integration of these functionalities into the Flutter application. My contributions helped enhance the overall functionality and versatility of the application, demonstrating my proficiency in implementing key features within Flutter projects."

Chariot:

"In the project 'CHARIOT', I played a significant role in developing backend microservices using Python with the Flask framework, coupled with a modern user interface built with React and Mantine UI, and integrated Axios for handling HTTP requests.

Key highlights of my contributions include:

- Backend Microservices with Flask: I was deeply involved in architecting and implementing backend microservices using Python and Flask. This involved designing RESTful APIs, implementing business logic, and ensuring scalability and performance of the microservices architecture.

- Modern UI with React and Mantine UI: Leveraging my expertise in front-end development, I contributed to building a modern and responsive user interface using React and Mantine UI. This included designing and developing UI components, layouts, and interactions to deliver an intuitive user experience.
- Integration with Axios: I integrated Axios, a popular HTTP client for JavaScript, to facilitate communication between the frontend and backend components of the application. This allowed for seamless handling of asynchronous requests and ensured efficient data exchange between the client and server.
- Throughout my involvement in the 'CHARIOT' project, I collaborated closely with the development team to ensure the successful integration of backend microservices with the front-end UI. My contributions helped deliver a robust and user-friendly application that meets the project requirements and objectives."
- Feel free to adjust the description as needed to accurately reflect your contributions and experiences in the project.

XPOS Lite:

XPOS Lite is a versatile Flutter application designed to seamlessly connect with embedded billing machines, specifically the NBP200 model, offering a comprehensive suite of features to streamline operations and enhance efficiency. Through intuitive interfaces and robust functionalities, XPOS Lite empowers businesses to manage various aspects of their operations, from accessing reports to editing menu items, all from a centralized platform.

Key features of XPOS Lite include:

- Device Connectivity: XPOS Lite establishes a secure and reliable connection with the NBP200 billing machine via Bluetooth, enabling real-time communication and data exchange between the device and the application.
- Report Generation: Users can effortlessly generate detailed reports encompassing sales data, table occupancy, waiter performance, and more, providing valuable insights to inform decision-making and optimize business strategies.
- Menu Management: XPOS Lite facilitates efficient management of menu items, allowing users to add, edit, or delete items directly from the application. Changes made in the app are instantly reflected on the billing machine, ensuring consistency across platforms.
- Table and Waiter Management: Businesses can efficiently manage table layouts, assign orders to specific tables, and track waiter performance, enhancing customer service and operational efficiency.
- Import/Export Functionality: XPOS Lite enables users to import and export lists of items, simplifying data management and facilitating seamless integration with existing systems.

- Authentication and Security: The application features robust online login authentication, ensuring secure access to business data. Additionally, XPOS Lite offers device authentication to further enhance security measures and prevent unauthorized access.
- As a member of the development team for XPOS Lite, I contributed to designing and implementing key functionalities, including device connectivity, report generation, and menu management. My involvement in the project aimed to deliver a user-friendly solution that empowers businesses to efficiently manage their operations and drive success in the hospitality industry.
- Bloc Functionality and Cupertino UI Library: Leveraging the power of Bloc architecture, XPOS Lite ensures efficient state management and seamless data flow within the application. The integration of the Cupertino UI library enhances the user experience with native iOS design elements, providing a cohesive and familiar interface for iOS users.

EXECUTIVE SUMMARY

During my tenure at NGX Systems Pvt Ltd in Bangalore for the past 7 months, I have gained valuable experience and expertise in various technological concepts, particularly in React, Flutter, and Flask.

My experience includes the following technological concepts:

- Project Diversity: I have actively contributed to a range of projects spanning both web and Android platforms. This exposure has enabled me to explore diverse technologies and methodologies, enhancing my skill set and problem-solving abilities.
- Continuous Learning: Through my work on different projects, I have continuously expanded my knowledge and learned new and interesting concepts. Whether it's implementing backend microservices with Flask or designing intuitive user interfaces with React and Mantine UI, I have embraced opportunities to grow and develop professionally.
- State Management Mastery: I have gained proficiency in state management techniques in both React (Redux) and Flutter (Provider). Understanding how to effectively manage application state is crucial for building scalable and maintainable applications, and I have honed my skills in this area through practical experience and learning.
- Overall, my time at NGX Systems Pvt Ltd has been enriching and rewarding, allowing me to apply my technical expertise to real-world projects and continually expand my knowledge and skills in the ever-evolving field of software development.
- Cross-Platform Development: Through my work on projects like the Awatar Web Application and XPOS Flutter Dashboard, I have gained hands-on experience in cross-platform development using technologies like Flutter. This has allowed me to build robust applications that can seamlessly run on multiple platforms, enhancing user accessibility and reach.
- API Development: In projects such as the XPOS-Dashboard and Chariot, I have contributed to the development of RESTful APIs using frameworks like Flask. This experience has deepened my understanding of backend development and API design principles, enabling me to create scalable and efficient backend systems to support frontend applications.
- Integration and Interfacing: Working on projects involving integration with external systems, such as mapping app flavors to terminals in the XPOS Flutter Dashboard, has honed my skills in interfacing between different components and systems. This has

equipped me with the ability to seamlessly connect disparate parts of an application and ensure smooth communication and functionality.

- Agile Methodologies: Throughout my projects, I have embraced Agile methodologies such as Scrum and Kanban, participating in sprint planning, daily stand-ups, and retrospective meetings. This collaborative approach to project management has fostered efficient teamwork, rapid iteration, and timely delivery of high-quality software solutions.

EDUCATIONAL QUALIFICATION

Course/ Degree	Year of Completion	College/institution	University	Percentage
B.C.A	2023	Smt. Rukmini Shedthi Memorial National Government First Grade College,Barkur, Udupi dist, Karanataka	Mangalore University	74.92%
P.U.C	2020	Govt. PU college Byndoor, Udupi dist, Karnataka	P.U Board, Karnataka	54.1%
S.S.L.C	2018	Morarji Desai Residential School Byndoor, Udupi dist, Karanakata	K.S.E.E.B, Karnataka	86.2%

PROFESSIONAL SKILLS

Languages:

• Html/CSS • JavaScript • Typescript • Dart • Python • Java

Frameworks:

Web Development - • React JS.

Android – • Flutter.

Backend – • Node JS • Flask • Django.

Source control:

• Git • GitLab • GitHub

Architecture:

• Bloc pattern • MVVM

Databases:

- MySQL • SQLite • PostgreSQL • MongoDB.

UI Libraries:

- Bootstrap • Tailwind CSS • Material UI • Mantine UI • Shadcn UI

Other tools:

- Kafka • GitLab CI/CD • Docker • Jenkins

PERSONAL DETAILS

Date of Birth   : 04-02-2003

Gender   : Male

Nationality   : Indian

Languages Known   : Kannada, Hindi, English

DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge and belief, I bear the responsibility for the correctness of the above-mentioned particulars.

Date: -

Place: - Bangalore   *(Darshan M P)*