Abhijeet Birdi

Passionate Web Developer who loves to create bespoke web experiences.

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Experienced Full-Stack Web Developer: With over 7 years of experience crafting dynamic and visually-animated websites using Agile methodologies in freelance projects.

Angular Expertise: Proven ability to design and build user-centric, interactive experiences with Angular, making applications stand out.

Leadership in Freelance Projects: Led freelance projects, translating client needs into user-centric, interactive experiences with Angular.

CRM Development: Built Customer Relationship Management (CRM) systems for small and mid-size businesses using Angular and Google Firestore.

Front-End Mastery: Expertise in front-end development utilizing UI frameworks like Bootstrap and crafting clean, maintainable code with HTML5, CSS3, and JavaScript.

Strong Back-End Skills: Proficient in back-end development with Node.js, ensuring seamless integration between front-end and back-end for a positive user experience.

Problem-Solving Abilities: Demonstrates strong programming abilities, exceptional problem-solving skills, and a keen eye for detail in bug fixing and troubleshooting.

Motivated and Adaptable: Highly motivated lifelong learner with a proven track record of leadership, capable of inspiring and managing teams to achieve optimal results. Quick to adapt and persistently tackles challenging problems, often extending beyond the initial scope.

EXPERIENCE

Serendipity, Melbourne —Full Stack Developer

DECEMBER 2023 - MARCH 2024

Overview: Developed "Serendipity," a Public Library Management System built with **Angular 14** that streamlines library operations, enhances user experience, and simplifies book management. This web application empowers both librarians and patrons for a smooth library experience.

Key Responsibilities:

- Designed and implemented features for managing library resources:
  - Book cataloging with comprehensive details
  - Advanced search functionalities for easy resource discovery
  - User-friendly patron account management
  - Streamlined borrowing and return processes

- Utilized Angular 14 to create a modern and responsive user interface for:

  - Efficient library catalog search
  - Convenient account management
  - Real-time book availability tracking

- Utilized Angular 14's **Material Components and Reactive Forms** to create an intuitive, **dynamic search interface**, improving resource discovery efficiency. Integrated with Firestore for real-time search results.

- **Angular Design Patterns:** Employed Angular-specific design patterns such as feature modules, dependency injection, and reactive forms to create a robust and maintainable application.

- **Implemented Feature Modules**: Organized the application into distinct, reusable feature modules, enhancing scalability and maintainability. Leveraged lazy loading to improve performance and optimize load times.

- **Utilized Dependency Injection**: Employed Angular's dependency injection framework to manage services and components efficiently, ensuring a single instance of services across the application and enhancing testability.

- **Developed Reactive Forms**: Created dynamic and robust

SKILLS

Front-End Development: Angular 8+, JavaScript, TypeScript, HTML, CSS

Scripting and Data Handling: Proficient in Object-Oriented JavaScript and JSON for efficient data manipulation and integration.

Development Tools: Experienced with Visual Studio Code (VS Code), NotePad++, Chrome Developer Tools

Back-End Development: Knowledgeable in developing with Node.js, Google Firestore, Cloud Functions for building robust and scalable server-side applications.

LANGUAGES

English, Hindi, Punjabi

forms using Angular's reactive forms module, facilitating complex form validation and user input handling with ease.

- **Integrated Firebase Authentication**: Utilized AngularFire library to seamlessly integrate Firebase Authentication, providing secure login and user management features.

- **Implemented Real-time Data Sync**: Leveraged AngularFire to connect the application with Firebase Firestore, ensuring real-time data synchronization and enhancing the responsiveness of the application.

- **Architected Modular Design**: Structured the project into cohesive blocks using feature modules, improving code readability and making the application easier to navigate and maintain.

- **Manual Change Detection Optimization:** Applied manual change detection to optimize the search functionality, reducing unnecessary re-rendering cycles and improving performance during book catalog browsing.

- **Async Pipe and Pure Pipe Usage:** Utilized Angular's async pipe for efficient subscription management to observables and implemented pure pipes to transform data efficiently without triggering extra recalculations unless the input data changes.

- **Enhanced Application Performance**: Implemented lazy loading for feature modules, significantly reducing initial load time and improving user experience.

- Leveraged **Angular 14's RxJS integration and OnPush change detection strategy along with Firestore** to provide instant, real-time book availability tracking, enhancing user satisfaction.

- Unsubscribed from Firestore observables when data is no longer needed to **prevent memory leaks**.

- **Promoted Code Reusability**: Designed reusable modules and services, allowing for consistent functionality across different parts of the application and reducing code duplication.

- **Cloud Storage Integration**: Integrated Firebase Cloud Storage using AngularFire, enabling efficient file uploads and downloads directly from the application.

- **Serverless Functionality**: Implemented Firebase Cloud Functions to handle backend logic, reducing server maintenance overhead and ensuring scalable performance.

Highlights:

- Increased library operational efficiency by automating book management tasks, reducing manual effort.

- Enhanced user experience by providing a user-friendly interface that simplifies searching, managing accounts, and tracking resources.

Prakah's Gold, Melbourne —Full Stack Developer

AUGUST 2023 - OCTOBER 2023

Overview:
Developed a comprehensive web-based Pawn Management System for Prakah's Gold, a pawn shop located in Melbourne.
This system utilizes Angular 12 on the front-end and leverages Google Cloud technologies for a secure and scalable solution.

- **Front-End:** Built with Angular 12 for a user-friendly interface.
- **Back-End:** Google Firestore provides a flexible NoSQL database for efficient data storage and retrieval.
- **Storage:** Firebase Cloud Storage securely stores client IDs and verification pictures.

Key Responsibilities:

- Designed and implemented a user-friendly interface for both in-store and online loan applications, catering to both personal loan and gold loan needs.

- Developed **functionalities and formulae for item valuation, loan processing, interest calculation**, and automated payment reminders.

- Built a **Customer Relationship Management (CRM) module with Angular 12** to manage customer details, loan history, communication channels, and digital loan processing.

- **Utilized the xlsx library to generate printable revenue sheets** for selected date ranges.

- Incorporated dynamic import to optimize bundle sizes, ensuring efficient loading of required modules.

- Overcame integration challenges by troubleshooting compatibility issues between Angular 12, Firebase, and AngularFire, ensuring seamless operation of the CRM system.

- Implemented functionalities to display pending loan installments and a user's past loan history within the CRM.

- Ensured robust security measures for sensitive customer information and loan details by **using Firebase that provides built-in security rules** that allow controlled access to data, and **uploaded pictures through secure back-end practices with Firebase Cloud Storage**.

- Collaborated closely with Prakah's Gold staff to understand their workflow and ensure the system aligns with their business requirements.

Highlights:

- Improved customer satisfaction by providing a user-friendly online loan application system.

- Streamlined communication and record-keeping through the integrated CRM module.

- Enhanced data security for customer information and loan details.

Holzer Furniture, Panchkula — Full Stack Developer

JUNE 2023 - JULY 2023

Overview:
Developed a modern and user-friendly e-commerce website for Holzer Furniture, a furniture company based in Panchkula, India. This project aimed to move beyond a basic WordPress website and establish a strong online presence for Holzer, showcasing their furniture collection and facilitating customer inquiries.
Technical Stack:

- **Front-End:** Angular 12 for a dynamic and visually appealing user interface.

- **Back-End:** Google Firestore, a flexible NoSQL database, for efficient data storage and retrieval of product information.

- **Hosting:** Google Firebase Hosting for a cost-effective and scalable solution, leveraging the free tier for low website traffic.

Key Features:

- **Smooth Inertia Scroll:** Implemented a smooth inertia scrolling experience for a seamless user experience while browsing the furniture collection.

- **Interactive Product Display:** Designed a user-friendly interface showcasing Holzer's furniture with high-quality images and detailed descriptions.

- **Customer Inquiry Form:** Developed a user-friendly query form integrated with an Angular-based admin panel. This allows potential customers to submit inquiries directly through the website, and the admin panel enables Holzer to manage and respond to these inquiries efficiently.

- **Cost-Effective Hosting:** Utilized Google Firebase Hosting to eliminate ongoing monthly hosting charges for Holzer. The free tier provided by Firebase is suitable for Holzer's website traffic volume, keeping costs minimal.

Benefits:

- **Enhanced User Experience:** The smooth inertia scroll and interactive product display create a captivating online experience for potential customers.

- **Streamlined Communication:** The integrated query form simplifies customer inquiries and facilitates efficient communication for Holzer.

- **Reduced Operational Costs:** By leveraging Google Firebase Hosting's free tier, Holzer avoids ongoing monthly website hosting expenses.

Dubai Genie, Dubai —Full Stack Developer
MARCH 2023 - MAY 2023

Overview:
Developed "Dubai Genie," a Google Chrome extension built with Angular that empowers users for smarter online shopping in the Dubai region. This extension simplifies the discovery of relevant coupons, referrals, and subscriptions while browsing e-commerce websites.

Technical Stack:

- **Development:** Angular for a feature-rich and user-friendly extension experience.

- **Integration:** Utilized Chrome Extension APIs for seamless interaction with e-commerce websites.

Key Features:

- **Coupon Detection:** Implemented algorithms to scan the active webpage for available coupons and deals relevant to the products or services being viewed.

- **Referral Integration:** Incorporated functionalities to display referral programs offered by various e-commerce stores, allowing users to potentially earn rewards.

- **Subscription Awareness:** Highlighted relevant subscription options available on the e-commerce platform, potentially leading to cost savings for users.

- **User-Friendly Interface:** Designed a clear and concise interface within the Chrome extension to display discovered coupons, referrals, and subscription details.

Benefits:

- **Enhanced Shopping Experience:** Dubai Genie empowers users to make informed decisions by readily displaying available savings opportunities while shopping online.

- **Increased Value for Users:** By leveraging coupons, referrals, and subscriptions, users can potentially save money and maximize their online shopping experience.

- **Time-Saving Features:** The extension automates the process of finding relevant deals, saving users time and effort during their online shopping journey.

Legally for You, Chandigarh — Full Stack Developer
FEB 2023 - MARCH 2023

Overview:
Developed a dynamic and informative website for Legally for You, a law firm based in Chandigarh, India. This project aimed to move beyond a static website and establish a strong online presence for Legally for You, showcasing their areas of expertise, attracting potential clients, and facilitating communication.
Technical Stack:

- **Front-End:** Angular 11 for a visually appealing and user-friendly interface.

- **Back-End:** Google Firestore, a flexible NoSQL database, for managing content and information displayed on the website.

- **Hosting:** Google Firebase Hosting for a cost-effective and scalable solution, leveraging the free tier for low website traffic.

Key Features:

- **Interactive Content Presentation:** Designed an intuitive user interface to showcase Legally for You's practice areas, services offered, and client testimonials using Angular 11.

- **Informative Blog Section:** Developed a blog section, allowing the firm to publish informative legal content, establish

thought leadership, and improve search engine optimization (SEO).

- **Integrated Contact Form:** Implemented a user-friendly contact form, enabling potential clients to easily reach out to Legally for You for consultations or inquiries. The form submission process is streamlined and integrated with an admin panel for efficient communication management.

- **Cost-Effective Hosting:** Utilized Google Firebase Hosting to eliminate ongoing monthly website hosting charges. The free tier provided by Firebase is suitable for Legally for You's website traffic volume, keeping costs minimal.

Benefits:

- **Enhanced User Engagement:** The interactive website design and informative content sections engage potential clients and showcase Legally for You's expertise.

- **Improved Client Acquisition:** The integrated contact form streamlines communication with potential clients, facilitating lead generation.

- **Increased Visibility:** By leveraging the blog section and SEO practices, Legally for You can improve their search engine ranking and online visibility.

- **Reduced Operational Costs:** By leveraging Google Firebase Hosting's free tier, Legally for You avoids ongoing monthly website hosting expenses.

Quick Disbursed, Chandigarh —Full Stack Developer

DECEMBER 2022 - JAN 2023

Overview:

Developed a user-friendly online loan application platform for Quick Disbursed, an independent team of Direct Selling Agents (DSAs) based in Chandigarh, India. This platform streamlines the loan application process for potential borrowers, simplifies loan comparisons, and connects them with Quick Disbursed's expert DSAs for personalized guidance.

Technical Stack:

- **Front-End:** Angular 8 for a dynamic and interactive user interface.

- **Back-End:** Google Firestore, a flexible NoSQL database, for storing loan product information, user data, and application details.

- **Hosting:** Google Firebase Hosting for a cost-effective and

scalable solution, leveraging the free tier for low website traffic.

Key Features:

- **Loan Comparison Tool:** Developed a user-friendly interface that allows potential borrowers to compare various loan options offered by Quick Disbursed's partner lenders, considering factors like interest rates, loan terms, and eligibility criteria.

- **Streamlined Application Process:** Implemented a simplified online application form, enabling borrowers to submit their loan requests conveniently.

- **Expert DSA Matching:** The platform integrates with a system to connect borrowers with the most suitable DSA based on their loan requirements and location. This ensures personalized guidance throughout the loan application process.

- **Secure Data Management:** Utilized secure practices to ensure the confidentiality and integrity of user data submitted through the platform.

Benefits:

- **Convenience for Borrowers:** The platform offers a convenient and transparent way for borrowers to compare loan options and apply online.

- **Increased Efficiency for Quick Disbursed:** The streamlined application process saves time and resources for Quick Disbursed's DSAs, allowing them to focus on providing personalized guidance to borrowers.

- **Improved Client Acquisition:** The platform facilitates lead generation by attracting potential borrowers seeking loan options in Chandigarh.

- **Reduced Operational Costs:** By leveraging Google Firebase Hosting's free tier, Quick Disbursed minimizes website hosting expenses.

EDUCATION

Chandigarh Group of Colleges, Landran — *Bachelor of Technology (Computer Science Engineering)*

2013 - 2017

PML SD Public School, Chandigarh — *High School (Non Medical)*

2011 - 2013