

Pulkit Narula

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OVERVIEW

Full stack Developer with **5 years** of experience in developing and deploying applications for various businesses. Recently graduated after doing PDD in Web and Mobile Application Development. Delivered **more than 20** SEO friendly web applications with various tech-stack and technologies such as **Content Management System (CMS), WordPress, React JS, Angular, Native JS**. Problem solving personality that's why love to do **LeetCode** and **AlgoExpert**.

SKILLS & LANGUAGE PROFICIENCIES

Proficient in: React js, Next js, React Native, Angular, Redux, JavaScript, Context API, React Query, Typescript, Node js, HTML5, CSS3, Bootstrap, Dynamics 365, PHP, Microservices

Experienced in: SASS, GitHub, Agile, Express js, FastAPI, MongoDB, Trello, PostgreSQL, Android, Linux, OAuth, WordPress Theming, AWS EC2, Qt, JAVA, JIRA, Bash, SDLC Models, Azure, Firebase, GraphQL

PROFESSIONAL EXPERIENCE

Media Monkey Studios Surrey, BC (Nov 2021- Dec 2023)	Full stack Developer <ul style="list-style-type: none">● Boosted 35% performance by tuning SQL Server and implementing efficient solutions.● Implemented Dynamics 365 custom solutions for clients, including custom entities, workflows, and plugins, enhancing business processes and customer relationship management.● Proficient in sprint planning and development, I work with cross-functional teams to build fast-growing web applications using MySQL, MVC, JavaScript, WordPress HTML, and CSS. Have expertise in PHP, Python and Django● Fulfill request of clients by designing UI and building websites, landing pages and make them SEO friendly.● Testing all the applications with testing frameworks like XUnit and NUnit before integration of new component and checking the functionality.● Collaborated in DevOps environment, implementing CI/CD practices, automated testing, and deployments. Managed containerization, utilizing tools for continuous integration and delivery.● Created SRS and SRD documents after getting the requirements from the clients.● Configured Azure resources such as Service Bus for reliable messaging, Azure Storage for scalable data management, and Azure Functions for serverless computing to improve application performance and scalability.● Utilised Adobe Illustrator and Photoshop for UI of the applications. <p>Achievement: More than 20 live websites with more than 2 million users per year.</p>
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Collins Aerospace Bengaluru, Karnataka, India (Jan 2019- Jul 2021)	Associate Software Engineer <ul style="list-style-type: none"> Optimize the hosted web server to increase the efficiency by 40%. Tested application using docker. Proficiently executed code management through SVN and Git, coupled with regular code reviews, reflecting my practical experience with agile development methodologies. Developed an in-flight application to provide internet functionality using Satellite to users using Angular 8 and Angular 10. Worked closely with designers to match the front-end of the applications with wireframes and improve the overall look and feel of the UI. <p><u>Achievement:</u> Managed Angular Team, Filled two patents under my name.</p>
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EDUCATION

PDD in Web and
Mobile Applications Development

Langara College, Vancouver, British Columbia
(May 2021- April 2023)

Bachelor of Technology in
Computer Science and Engineering

Amity University, Uttar Pradesh, India

PROJECTS

1) **UpOnCall** (<https://uponcall.com/>)

A dynamic mobile app accessible on both **iOS** and **Android** platforms. Developed with Swift for IOS. It serves as a sophisticated bridge, connecting service seekers with proficient local professionals. **Java** as backend. This cutting-edge application employs **advanced algorithms** to match users with the most suitable service providers, optimizing efficiency and convenience. Utilizing robust backend technologies and sophisticated frontend frameworks, UpOnCall ensures seamless user experiences, real-time service tracking, and secure payment gateways using **Stripe and Paypal integration**. Seamlessly integrating geolocation through **Google Maps API** and **AI-driven recommendation engines**, it revolutionizes service acquisition in today's digital age. User can seamless login through **Google OAuth**, Facebook Login. Customers can chat with the service providers. Configured **Azure Service Bus** to manage communication between services and Azure Storage for data management. Utilized **Azure Functions** to handle event-driven processes and ensure efficient resource usage.

2) **Medico** (<https://medicoapp.netlify.app/>)

Secure Mobile Health App: Engineered a cutting-edge mobile app using **REACT NATIVE**, coupled with **NodeJS** and **Express JS backend**, ensuring cross-platform compatibility. Elevated user authentication with **hashed credentials**, **JWT Tokens**, and Biometric Login. Leveraged **AWS EC2 Servers** for reliability. Seamlessly integrated **PixiJS**, **HTML5**, and modern **CSS/SCSS**, adhering to **SPA architecture**. Medico is a revolutionary mobile platform that connects patients with doctors, minimizing clinic wait times for non-emergency medical concerns. With **Biometric Login** and **in-app chat functionality** using **Socket.io** functionality, patients can engage seamlessly with medical professionals. Empowering patients to share images and short videos for enhanced diagnosis. Push notification integration ensures timely responses.

Link - <https://github.com/pulkitnarula13/allwell>

3) **Rentify** (<https://github.com/pulkitnarula13/Rentify>)

Rentify is a user-friendly web application developed with **React** for the frontend and a **.NET API** backend, allowing users to seamlessly rent and lend items. **Material UI** for the icons. Utilizing **Figma** for wireframes and UI design ensures an intuitive interface, while **Trello** aids in task management and load distribution among developers. Users can list items, view listings, and submit rental requests, with owners having the ability to approve or reject requests. Maintain component states using **Reducers**. The technology stack guarantees a responsive and secure experience,

ultimately simplifying the rental process and fostering efficient collaboration among team members through thoughtful task organization and allocation. Have used **Adobe Illustrator** to create icons and logo for the application.

4) **Predictive Analysis of Type 2 Diabetes Using Machine Learning**

Develop a predictive model using **Python** and **machine learning** to identify Type 2 diabetes risk. Analyze health data including age, BMI, and lifestyle factors. Employ algorithms like **Logistic Regression** and **Random Forest** for accurate predictions. Create an intuitive interface using **Django** for users to assess risk and receive personalized recommendations, aiding early intervention and healthcare management.

5) **Dynamic Review Application**

Created a complex **Angular 10** application featuring a dynamic form with over 60 questions and various responses. Implemented conditional logic to adapt question flow based on user inputs, collecting detailed product testing data. Utilized **Azure Functions** to process and store responses, ensuring scalability and performance.

6) **Microsoft Dynamics 365 CRM Solution**

Developed a custom **Dynamics 365** CRM solution to improve customer relationship management and streamline business processes. Configured custom entities, workflows, and plugins to meet specific business requirements. Integrated **Azure services** for enhanced functionality, including **Azure Storage** for data management and **Azure Functions** for serverless processing. Conducted user training sessions to ensure smooth adoption and effective use of the new system.

7) **VistaJet** (<https://vistajet.com/en/>)

Hybrid Application in **Angular 10** with the goal of running in all type of electronic devices with internet. This means creating an application with a sleek design, intuitive user interface, and powerful features. Hybrid web application that allows passengers to connect to the internet while in-flight. Elevated the user experience by deploying on **AWS**, ensuring seamless scalability and availability. Allow users to access the internet by purchasing a plan or through a subscription. In the application, users can manage their plans, set limits on data usage, and manage their accounts. Migration of all data to cloud and use **APIs**.

8) **AI Applications with face detection**

Utilizing **Facenet** for comprehensive face detection, with the capability to identify faces wearing glasses and a trained mask detection model, this project employs **Haar Cascade** for initial face detection and proceeds with the mask model to accurately determine real-time mask compliance in video streams, contributing to public health safety. The technology stack consists of **Python**, **OpenCV** for image processing, Haar Cascade, and Facenet for face detection, along with a custom-trained mask model for mask identification.

9) **Some applications created for clients**

- <https://mediamonkey.xyz/>
- <https://cnydesi.com/>
- <https://ims.mediamonkey.xyz/>
- <https://www.groupsecurity.ca/>
- <https://sportsproclinic.com/>
- <https://www.physioplushealthandwellness.com/>
- <https://www.xtremesecurityinc.com/>

Created web applications after getting requirements from the client and have all the necessary features like chatting, in-app form. Booking appointments, showing live projects, SEO, social-media marketing like Google Ads, Facebook, Instagram Advertisements.