Pulkit Narula

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ABOUT ME

Full Stack Developer with 5+ years of experience specializing in ASP.NET MVC, .NET Core, Angular, and Node.js. Proven success in delivering scalable, cloud-based, and AI-integrated solutions. Skilled in REST APIs, SQL Server, AWS, and modern DevOps practices. Passionate about clean code, responsive UI, and agile collaboration.

WORK EXPERIENCE

Supervisor - Danfoss Couriers & Freight - Delta, BC, Canada   Apr 2023 - Present
- Supervise daily courier operations, ensuring timely and safe deliveries across Vancouver Island.
- Coordinate staff, manage logistics, and maintain compliance with safety protocols.
- Oversaw the distribution of medicines and medical supplies to hospitals and pharmacies in the Vancouver Island area.

Certifications: Intermediate First Aid from WorkSafe BC

Freelancer - BC, Canada   Nov 2023 - Present
Reinvent and modernize client's existing digital platforms, products, and experiences to move their business forward.

Sports Pro Clinic
- Created cloud-native, object-oriented software using **Agile SDLC** to connect customers with massage therapists and physiotherapists.
- Designed and implemented software solutions on **AWS** to optimize data flow, enhancing customer experience and driving brand engagement.
- Developed a secure, innovative product to streamline bookings and integrated **Google Ads** to boost visibility and profitability.
- Automated data collection processes, improving operational efficiency and reducing cloud computing costs.

Xtreme Security
- Translated business requirements into scalable, production-ready code, supporting operational efficiency and decision-making for security services. Developed with **Angular** as front-end and **C# .net** as back-end.
- Contributed to the development of systems for security personnel deployment and camera monitoring solutions.

Full stack Developer - **Media Monkey Studios** - Surrey, BC, Canada   Nov 2021 - Dec 2023
- Boosted **35% performance** by **tuning SQL Server** and implementing efficient solutions.
- Proficient in sprint planning and development, worked 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.**
- Testing all the applications with testing frameworks like **XUnit** and **NUnit** before integration, and test 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.
- Employed **Redis Cache** to enhance application performance and accelerate data retrieval, resulting in a notable **30% increase**. Integrated this solution into a **real-time data analytics** dashboard, ensuring the display of continuously updated information.
- Utilized **Adobe Illustrator** and **Photoshop** for UI of the applications.

  <u>**Achievement**</u>**: More than 20 live websites with more than 2 million users per year.**

Associate Software Engineer – **Collins Aerospace**, Bengaluru, India   Jan 2019- Jun 2021
- 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.**
- Worked closely with designers to match the front-end of the applications with wireframes and improve the overall look and feel of the UI. Worked with JIRA, Git Lab.

  <u>Achievement</u>: **Managed Angular Team, Filled two patents under my name.**

LANGUAGES

English ★ ★ ★ ★   French ★ ★ ☆ ☆ ☆   Hindi ★ ★ ★ ★

EDUCATION

Langara College, PDD in Web and Mobile Applications Development | Vancouver, BC, Canada   Dec 2022
- **GPA**: 3.41
- **Relevant Coursework**: iOS & Android Development, Web Applications, Front-End & Back-End Development

Amity University, Bachelor of Technology in Computer Science and Engineering | UP, India   May 2019
- **GPA**: 3.7
- Completed 4 years of French as a foreign language in college, passing all exams and earning certification.
- **Relevant Coursework**: Data Structure and Algorithms, Artificial Intelligence, Database, Application Development, Software Design and Development, Operating Systems, Data Science

PROJECTS

1) UpOnCall (https://uponcall.com/)
A dynamic mobile app accessible on both **iOS** and **Android** platforms. 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.

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 **Vanilla JS** for the frontend and a **.NET API** backend, allowing users to seamlessly rent and lend items. 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. 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) 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**.

6) 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.

7) Dynamic Review Application
A complex Angular 10 application is designed to present users with multiple-choice questions, sometimes supplemented with text boxes. The flow of questions adapts based on the user's responses to the previous queries. Employing **Angular 10**, **HTML**, and **TypeScript**, this app dynamically generates questions and provides conditional pathways depending on the user's selections. It incorporates Angular forms and reactive programming to manage user input efficiently. The backend is supported by a server technology—such as Node.js—and involving **RESTful APIs**, and database to store questionnaires and manage question progression based on user input.

8) Some applications created for clients
- https://mediamonkey.xyz/
- https://www.xtremesecurityinc.com/
- https://ims.mediamonkey.xyz/
- https://www.groupsecurity.ca/
- https://www.encodetechnologies.ca/
- https://securiwatchsecurityservices.com/
- https://sportsproclinic.com/
- https://www.physioplushealthandwellness.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.