Divyavrat Jugtawat – Sr. Software Engineer

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Bio

Sr. Software Engineer with 10+ years of experience leading teams and delivering over 100 projects for US and international clients. Expert in the MERN stack (React.js, Express, MongoDB) and leveraging AI tools (Github Copilot, Gemini) for efficient full-stack development, prototyping, and code review.

Experience

2023 - present

Utility Tech Product MNC– *Sr. Product Engineer — React*

- Multiple team projects in the Utility sector for US, Australia, Canada and Asian clients.
- Training new interns to work on existing codebase
- New implementations of old features like Usage Graphs & Charts
- AI use to boost productivity for code completion, reviews, debugging, documentations and task management using Github Copilot, Chat GPT, Claude, Gemini CLI
- Tech Stack Used - React, Redux, MongoDB, Postgres SQL

2021 - 2023

Nuvento Pvt Ltd. – Sheer Analytics – *Project Manager*

- Intern training and talent acquisition taking 200+ technical coding rounds and interviews
- Managed multiple cross functional teams in large scale projects in Retail and Utility sectors
- Spearheaded implementations of new features and modules
- Code refactoring, code-reviews for Industry standards
- Tech Stack Used - React, Redux, MongoDB, HTML5, CSS3, PHP

2020

Don Sussman Pvt., Washington DC, USA – *Tech lead*

- Developed an entire web portal for student online learning and exam
- Created accounting reports and Payment gateway for fee submission
- Created Android App for Student Training. RnD, Development and Testing
- Daily stakeholder meetings for effective transformation of requirements to technical solutions
- Long term Project Support provided with timely resolutions
- Tech Stack Used - Core PHP, Android Java, Expo React Native
- [Learn CPR App on Play Store](#)

2015-2019

Sarga Technologies , Jodhpur – *Sr. Software Engineer*

- Developed a new React Js Webapp, 1 React Native App

- Created design from Zeplin and Sketch files to React Webapp
- Worked with Client to fulfill User Stories
- Created Enterprise Level management Webapp in React
- Recreated 1 Static Website in React Js from Laravel
- Improved Designs for 3 websites in Laravel and React

2015
Ashapura Infocom, Jodhpur – *Web Developer*

- In a group of 3, led the team to rapidly create 2 Websites
- Single Handed worked on initial build phase of Jewellery Shop Software in Java Swing

2014
HCL CDC, Jodhpur – *Android Java Trainee*

Education

2014
WS Cube Infotech, Jodhpur – *Android Development Course*

Led a team of 6 to create Android Apps - BMI Calculator, Notes Taking Cloud App, Book Sharing.

2011-2015
JIET, Jodhpur – *B. Tech.*

Taught multiple coding workshops. Participated in hackathons and college level competitions. Attended a coding lab alongside M.Tech. Students for final year. Created Aplaun OS and published research papers on Assembly Language OS Dev.

Key Projects

Aplaun OS – Assembly 8086

- Initiated and worked 2yrs to build a new portable OS with Compilers, Games, and Softwares with JIET MTech Dept using 8086 Assembly language.
- Authored 2 research papers on OS Development using Assembly.
- Took student workshops to teach OS Development.
- OS Features -
    - Bootloader and startup scripts
    - Working terminal and GUI management
    - OS supported module library for end programs for common methods and debugging tools
    - Support for ASM, C Compilers and Basic interpreter from within OS
    - Code Editors, Paint tools, Multiple games
    - Partial semaphore handling for process threading
    - Mouse, Audio, Keyboard drivers

Boutique Retail Website – React, Redux, Mongo, SQL,

Worked on Store / Delivery Retail with in-store Services

- Role:
- Worked in modules related to administration of appointments, customer management, order management.
- Building Node APIs for new features in development.

Interview Management – *React JS,* Next JS, Mongo, CSS3

Application to manage Jobs, Candidates and set up online video interviews. Inbuilt-feedback system.

- Role: Project Leader
- Quick start up with JIRA project planning
- Reuse existing React ES6 code base to get started in UI, API and Mailing features
- Design created in Adobe XD. Converted to HTML5, CSS3.
- Integrated Video calling, chatting features for the interview.

Charity & Donations Management – *React JS,* NextJS, MongoDB

Multi-layered full stack webapp to create and manage US donation pages.

- Role: Full Stack Development using Node API
- Created using latest ES6 features.
- DOM Testing with Jest.
- Converted to Material UI + CSS3 design from Adobe XD Design provided by UI Designer.

Delhi World – *React JS,* tJS, MongoDB, Android

Complete Wholesale Retailer solution

- Step-wise User access - Owner > Wholesale Buyer > Retailer > Customer
- In-built chat and payment options.
- Inventory Management

Cricket Fantasy App – *js,* Android, Webpack build script

Created the entire app for initial release between 2018-2019, Second version released in 2021.

- Role: Full Stack Development and Project Tech Lead
- App Development with more than 10k+ lines of code and 50+ pages.
- Payment Management with 3 types of in-app currencies.
- Enterprise Grade Admin to manage Reporting, API load and Server controls.
- Automatic Management Scripts to Handle Match Cancellations, Prizes
- Automated testing for Pages, Monetary Changes, API loads and Business Logic.

Doctor Medical slip Software – js, PHP, MySQL

- Role: Full Stack Development and Project Tech Lead
- Met with Hospital Chief of Medicine and Resident Doctors to discuss technological solutions to their tedious workflow.
- Designed new Doctor Medical Slip Software for Doctors to rapidly create slips and printed out with history, symptoms and lab tests to avoid doctor's handwritten slips.
- Hospital Management Tools for various Roles to handle Reports, Accounting and Old Patient Records.

Coaching Center Management – PHP, MySQL

- Role: Full Stack Development and Project Tech Lead
- Fast, Responsive, SEO-friendly and Dynamic Landing Page with modern design elements.
- Student Attendance, Online Test, QA with teachers, Time tables / Notes tools, Discussion forums.
- Anonymous teacher and staff rating system.
- Parent app and notifications for missed classes.
- Administration Tools to manage content and reporting.

JIET College Landing Page and Management Webapps – HTML,CSS,PHP, MySQL

- Managed a team of 8 students to create a College Website from scratch.
- Divided work on various modules like Fees submissions, Form filling, Exam notifications.
- Created Main Landing pages, content working with HOD and College Director.

Councilman André L. Spivey– Android, PhoneGap

Election Promotion App for Councilman from Detroit, Michigan, United States City Council having first been elected citywide in November of 2009. He was re-elected in 2013 and 2017.

- Role: Consultant Android Developer
- Added Publicity Material to support upcoming elections.
- Website - App content synchronization.
- Developed Screens for - About, Calendar, Crime Reports and News

Sandeep Khurana Music Maestro– Android, PhoneGap

Music & Meditation app showcasing 20 tracks of all genres from the US based music composer and film-maker.

- Role: Android App Developer

- Design and Development for Relaxing Sounds Infinite app and Music Harmony app

Jai Vijay Book Centre– Hybrid Android Java, JS

- Features for Job Search and Book sale, Buy Books in-app.
- Web Admin to manage App's content and advertising banners
- Rapid App Development for all client requirements
- Play Store link , Website

Site Development and UI Design for –

- Sanjeev Kapoor- Website for the Indian Master Chef's Canadian Restaurant Chain.
- Peppinos Pizzeria Website- HTML5, CSS3
- Portfolio for Graphic Designer and 3D artist SoulXSlayer- HTML5, CSS3
- Leonardo Callie Portfolio - Greek Graphic Designer
- Website for DJ Artist Evian Cafun- PHP, HTML5, CSS3

Additional Projects

- **Eco Pro Cleaning** - created PHP site with features like Cleaner Log, Services, Blog, Admin, Login, Appointment, Invoices
- **Asmin khatoon Unique Home Care** - static site design and deployment
- **SRA Website** - created MERN site and Adobe XD UI design with multiple modules like Login, Pricing
- **Patitva Matrimony Site** - created React UI from Zeplin UI design
- **Event Management Android App with JIET student team**
- **File Sharing App -** with centralised server and multiple user roles
- **Dictionary Chrome Extension** - to show internal jargon meaning from enterprise specialized dictionary file
- **Offers and Coupon management site -** competitor to grabon and coupondunia
- **TV Tub Android App** - to show fan-made wallpapers, video edits for Indian TV Drama Serials from Sony and Colors channels.
- **E-Invitation -** static websites for private weddings
- **Haptik Chrome Plugin** - for assistants with radio FM, games, wallpapers, inbuilt google search
- **Pushkarna Brahman Online Family Tree** - Core PHP site with node search
- **E-Learning Hybridskill Training site -** in React
- **Donation Site for Non-Profit GlobalMindED**
- **Australia Rentals Portal -** in React