Sandeep Kurian

Senior Full Stack Developer, 14 years exp.

Freelance Full Stack developer with 14 years of experience. Being a freelancer, I worked on different kinds of Web and App development projects for over 50+ clients based out of the US, UK, Australia, Germany, Canada etc. Eager to use the skills I have developed over the years and contribute to team success through hard work, attention to detail and excellent organizational skills. Motivated to learn, grow and excel in the software industry.

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GITHUB: https://github.com/sandeepkurien

Skills: *NodeJS, PHP, DynamoDB, MYSQL, AWS Lambda, Python, Laravel, React Native, ReactJS, Express JS, AWS Lambda, WordPress, Python*

Professional Experience

Jan 2020 - Present
Lead Architect and Full-stack Developer
CoachFirst | US Product Based company | coachfirst.com |[Instagram](#)
Founders: Trevor White and NFL player Pat O'Donnell

Tech stack: React Native, IOS Swift, AWS Lambda, NodeJS, Dynamodb, PHP/Laravel, ReactJS, AWS Cognito

Have been working on CoachFirst since its inception for the past 3 years as the Lead architect, FullStack developer. CoachFirst is a platform built for Studios, full time and side gig coaches to help automate their business

- Lead a team of 5 and built the whole product from scratch which includes, 2 react native IOS/Android apps, 3 web portals, 1 IOS Native App
- Worked with over 15+ coaches to understand their requirements and expand their businesses using the platform
- Gathered and validated over 50+ requirements from different coaches to build a product that is most useful to most coaches
- Each coach belonged to different fields, like Golf, Football, Tennis, Massage Studios, Gym Studios, Pilates etc
- Understood the requirement of each coach and built the product in such a way that the platform worked well for everyone in spite of them belonging to different fields

Roles and Responsibilities

- Architect the project and wrote close to 70% of the codebase for both backend(NodeJS, PHP/Laravel, Dynamodb) and frontend(React Native, ReactJS, HTML/CSS).
- Design the general flow of each feature in the project.
- Designed the Database using the high performing Dynamodb NoSQL database so that the Apps and the web portal can easily scale to millions of requests per day
- Creating API's for IOS/Android apps developed in react native and Native IOS.
- Designed the whole backend system to be 100% serverless with AWS Lambda, Dynamodb NoSQL and NodeJS/PHP Laravel and Cognito, so that the system can easily scale to an expected 200,000 active users. This also helped us keep server costs to a bare minimum during the initial phase
- Architect and code the 2 react native apps built for both coaches to run their business and also the app built for clients to book appointments, enroll for classes/Camps, process payments etc
- Architect and code the Coach and Client Web portals
- Create and code the Admin portal to manage different Coaches/Studios, manage subscription, privileges, payments etc.
- Assign Tasks to other members in the team and review their code once done
- Designed, configured and developed the fully automated CI/CD lifecycle for the backend APIs and web portals

Major Features

- Calendar Management: A multi coach calendar for coaches and studios to book 1:1 sessions, schedule group classes, schedule camps (eg: Summer camps, Coaching camps etc). Built the calendar for the react native app for the coaches as well as a similar version for the coach portal on the web
- Agora Implementation for virtual classes
- PubNub Messaging service integration for Trainers and clients
- Square Payment Integration
- Client Management - Invite clients to the platform, manage order history, session tracking etc
- Recurring memberships - Coaches can set up recurring memberships plans and add clients into a membership plan so that the billings are all automated. Membership plans can be configured to include unlimited/limited sessions/classes for clients.
- Implement the Reader device on the coach app so that coaches can tap credit cards to accept payment even when on the field
- Client app and client web portal for connected clients, so that they can easily book appointments, signup for camps, group classes etc
- Video Library, Personalized video sharing, welcome videos
- In app purchase for IOS devices

Jan 2010 - Jan 2020
Proprietor, Technodweep Technologies
Full Stack Developer

Tech stack: PHP/MySQL, Laravel, NodeJS, Codeigniter, Yii2, LAMP, CakePHP, ReactJS, Bootstrap, Webpack, VueJS, Python, Tailwind CSS, Jquery, Javascript, ElectronJS

- Built a software services based company from scratch and created a small team of passionate developers and ran the business for around 10 years.
- Worked on more than 100+ software projects for over 50+ clients all over the world like, US, UK, Norway, Germany, Canada, Australia etc.
- Some of the developers I hired were fresh out of college engineers. Really smart people, but did not have any professional experience. I hired the best guys directly from college and trained them to be really productive developers
- Used the best technology that suited the given project requirement. Worked on PHP/MySQL, Laravel, NodeJS, Codeigniter, CakePHP, Yii2, Python etc

Major Projects

Petrol Pump Software:
- This a custom made ERP system for a Petrol Pump dealer who wanted a system to manage the day to day workings of their pump remotely.
- Manage payroll, attendance of the 30+ employees who worked there in 3 shifts
- Reports for daily cash collections, credit card transactions, pump meter readings
- Monitor Test readings, generate daily/monthly reports
- Automatically report errors in readings so they can be corrected
- Calculate profit and loss for the month/year based on the price on which the fuel was bought and the daily changing fuel rate
- Manage credit customers, collect verification data, manage vehicles
- Send Invoices to credit customers
- Portal for credit customer to create coupons, add vehicles, view outstanding invoices etc

Woocommerce Projects
- Worked on numerous woocommerce projects for different companies all over the world. Usually these are small to medium sized businesses who need their own ecommerce website where people can buy their products.
- Created a 3 store spectacles business in London and integrated the online woocommerce store I built with Linnworks, an ERP system they already used in their stores, so that they could easily manage their inventory for the website, Amazon and in store
- Created websites for furniture shops, painting Canvas store, Sports Goods store, Clothing stores etc
- Integrate woocommerce with Unicenta Point of Sale Software
- Created Writing tools for a content writer on her personal website who wanted a tool that generated 500 headlines and a few other features for content writers

- Wordpress plugin Development, theme development

Content Management Systems
- Create custom made Content Management systems for different businesses with specific requirements.
- Created a system for a Bilingual school in Canada. The custom made system managed the whole school website in English and French. Parents could check report cards, their kids performance etc
- Created systems for cake shops, a top dates selling company with recipe management, real estate companies

Remote Task Management
- This is a complete suite of Teleworking business applications used by businesses that need to manage Employees, Tasks, Payroll etc remotely.

Custom Software Applications
- GST billing software for businesses to manage their invoices
- Service Quoting website where freelancers could bid on projects, employers could create projects
- Simple software to manage a local retail shop. Generate daily revenue, profit reports. Manage inventory etc

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April 2009 - Dec 2009
Software Trainee
Regenesis Technologies

Tech stack: PHP/MySQL, Joomla, Wordpress, HTML, CSS, Javascript, JQuery

These were the days when IE6 was the most popular browser, followed by IE7, Firefox and Chrome. It was a real skill to create HTML/CSS to work consistently across all browsers
- Learnt to build pixel perfect websites that worked across all major browsers even going back to IE5
- Custom PHP web application development
- Worked on a unique bid auction site which was built on a custom PHP framework
- PSD to HTML
- Joomla website changes/Fixes

Nationality: Indian
Location: Pune, India