Jayant Raj Singh

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Full Stack Developer, Front-End Heavy| AlgoGI Technologies

Summary

Seasoned Full-Stack Software Developer with 10+ years of expertise in leveraging technologies to solve business problems.

Work Experience

July 2024 - Present

Fractional CTO – AlgoGI Technologies

As *CTO* at AlgoGI Technologies, I oversee both product innovation and operational automation, ensuring that the company scales efficiently while delivering high-quality technology solutions. I spearhead development of the **flagship SaaS platform ExpertRound.com**, an interview operations automation platform, while streamlining internal processes through automation and infrastructure management.

Product Development & Strategy

- Led the design and development of ExpertRound.com, defining product roadmap, feature prioritization, and technical architecture.

- Translated client and market needs into actionable product requirements, focusing on AI-powered interview ops automation, candidate screening, and workflow optimization.

- Drove full-stack development initiatives, collaborating across backend, frontend, and AI teams to deliver scalable features.

Backend Infrastructure & Systems Management

- Managed backend infrastructure for SaaS products, ensuring reliability, scalability, and security.

- Optimized databases and APIs **(Postgres, FastAPI, NodeJS)** for faster query response and lower server costs.

- Deployed and maintained infrastructure across AWS, leveraging **CI/CD pipelines, serverless functions, and RDS databases.**

Operations & Automation

- Automated core operations at AlgoGI Technologies, reducing manual overhead and improving team efficiency using **N8N and Langchain**.

- Implemented workflow automation for sales, client onboarding, and product delivery using custom-built tools and integrations.

- Standardized deployment pipelines, monitoring, and logging systems to ensure seamless product operations.

Leadership & Collaboration

- Coordinated across product, engineering, and business teams to align execution with strategic goals.

- Mentored developers, promoted best practices (code reviews, testing, documentation), and fostered a collaborative culture.

- Acted as the key liaison between clients and technical teams, ensuring expectations matched deliverables.

Technologies & Tools:

Python, FastAPI, NodeJS, ReactJS, NextJS, Postgres, MySQL, AWS RDS, Automation Workflow Tools, AI Integrations, N8N automations, LangChain/LangGraph, RAG, on Prem Audio and image generation

Nov 2023 - June 2024   **Senior Engineer – Copperpod Digital, Bangalore**

CPD People Portal - In house HRM and Training Platform

- Worked on designing the training system
- Worked as a python backend developer using **Fast API**
- Helped frontend developer with api Integration
- Wrote Unit tests

Technologies Used:

- **React, python, fastAPI, Postgres**

LeadingRE - Data ingestion system using Azure Data Factory

- Worked as a cloud function developer using **NodeJS**
- Wrote SQL functions for data manipulation
- Worked on frontend app in **NextJS**

Technologies Used:

- **NextJS, Javascript, NodeJS, MySQL, Azure CI/CD, Azure Functions**

L-DX - Fashion industry ERP system

- Worked as a backend developer and worked on query optimisation in **ODOO**
- Worked on converting **ORM** queries to **Pure SQL** queries to improve server response time
- Worked on frontend fixes in **ReactJS** to consume modified backend responses

Technologies Used:

- **ODOO, python, Postgres, ReactJS, AWS RDS, SQL Functions**

Jan 2022 - Oct 2023   **Senior Frontend Developer – FloCareer India Private Limited (Flocareer.com), Bangalore**

- Implemented **dyte.io** for video interview which helped in onboarding clients with specific needs like screen sharing and whiteboard.
- Won **2nd place** in flocareer hackathon for implementing a chrome extension that used **openAI** apis to generate unique questions to ask a candidate.
- Taught the team wordpress and led the development of **home.flocareer.com** website.
- Optimized build process for our 4 distinct **React apps** build with same set of components using **bash script**
- Build a **microservice on aws lambda** for pdf compression.

Technologies Used:

- **React, Next, Typescript, mui, scss, django, bash, python, aws lambda, express, webRTC**

July 2021 - Dec 2021   **SDE-1 – Peopleprosper Technologies (Kredily.com), Bangalore**

- Created their **partners portal (https://partners.kredily.com)** in **React** that helped onboard more customers via partners and helped partners manage their clients efficiently.
- Worked on implementing **jitsi-meet** with our platform for video conferencing.
- Created a **jQuery** plugin to generate a popup form to collect missing user data efficiently.
- Created a market place in **React** to sell different products such as insurance, gift cards which helped increase company revenue.
- Created an attendance management app in **Next** that was used to connect physical attendance devices with our portal.

Technologies Used:

- **React, Next, Javascript, typescript, JQuery, django, jinja2, datatables, ES6, SCSS** and PostgreSQL

Oct 2020 – July 2021   **Sr. Full-Stack Software Developer – Anaxee Digital Runners (Anaxee.com), Indore**

- Created **Google Cloud Functions** to move data from our android app to **airtable**.
- Created backend apis in **Google Cloud Function** to facilitate our android app, used **airtable** as database.
- Created an application in **react** that would take user data from **airtable** and help the operations team send notifications to the android app.
- Created **scripts** in **node** to automate data movement, backups and report generation that helped clients understand their campaigns better.
- **Interviewed, hired, and trained fresh candidates.**

Technologies Used:

- **Node, Next, google cloud functions, typescript, airtable, mySQL, android, Java**

July 2019 - Oct 2020   **SDE-1 – Peopleprosper Technologies (Kredily.com), Bangalore**

- Created their **partners portal (https://partners.kredily.com)** in **React** that helped onboard more customers via partners and helped partners manage their clients efficiently.
- Worked on implementing **jitsi-meet** with our platform for video conferencing.
- Created a **jQuery** plugin to generate a popup form to collect missing user data efficiently.
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Dec 2017 - June 2019   **Front-End Developer – Sorcerers Technologies India (Admybrand.com), Bangalore**

- Worked on different platform associated with admybrand i.e. **8Hoarding (https://www.8hoarding.com/), Boost (https://boost.admybrand.com/), 8Surface (https://www.8surface.com/)** and many more.
- Created a simple css framework in Less to keep uniform designs across the platforms developed by different developers.
- Created plug and play validation framework in vanilla Javascript to validate the form elements according to their input type and data attributes.
- Created e-commerce platform for selling hoarding space to advertisers.
- Worked on an IOT device to detect if a person looked at an advertisement.
- Technologies used: Javascript, codeIgniter, websockets, jQuery, LESS

Technologies Used:

- **Core JavaScript, JQuery, CodeIgniter, HTML, CSS, websockets, LESS**

July 2017 – Nov 2017   **Web Development Engineer – Chaya Education (Cracku.in), Hyderabad**

- Created a test taking platform using **Javascript, html, bootstrap**.
- Created **wordpress plugins** that were used by the marketing team to create content faster.
- Created a **wordpress site** to display government job updates that was used a funnel to drive traffic to **cracku.in**
- Worked on making cracku.in mobile friendly, using **css media queries and Javascript**.

Technologies Used:

- **Django, Python, Jinja2, PHP, HTML, CSS, Wordpress, Materialize CSS, JavaScript and JQuery**

Nov 2016 – July 2017   **Web Developer – Papyrofix, Kolkata**

- Created a platform in **php** for our content writers where they could submit their work.
- **Lead a 3 person team** and worker for different clients with on **wordpress site**
- Created a **wordpress site** for a lab and taught the client how to use CMS

Technologies Used:

- **Wordpress, HTML, CSS, Bootstrap, PHP and JQuery**

Projects

1. Algogi: Freelance project for AlgoGI
Aim: To develop a serverless website and blog for an initial stage startup
Technologies Used: Nextjs, Netlify, Styled Components
Website: https://algogi.com/

2. j~Snake: The classic snake game with a twist
Aim: To develop a game in React
Technologies Used: Nextjs, Netlify, FaunaDB
Repository: https://github.com/webjayant/j-Snake
Website: https://jsnake.webjayant.app/

3. Webjayant: Personal Project
Aim: To develop personal portfolio blog in the cheapest way possible
Technologies Used: Nextjs, React, GraphQL, Netlify, Forestry.io
Repository: https://github.com/webjayant/webjayant.com
Website: https://webjayant.app/

4. IPL Stats: Personal Project
Aim: To display IPL (Indian Premier League) data in an intuitive way.
Technologies Used:
Node JS, Express, MongoDB (Mondo Atlas), VueJS and MaterializeCSS
Repository: https://github.com/a1ph4/ipl-app/

5. JD: Personal Project
Aim: To implement a simple CSS Framework with 12 columns page structure and JS Validation Library
Technologies Used: LESS, CSS, Vanilla JavaScript
Repository: https://github.com/webjayant/JD

6. VocabGuru: Personal Project
Aim: To help new English learners improve their vocabulary
Technologies Used: JavaScript, CSS, HTML, DialogFlow, Google Cloud Functions and Firebase hosting and firebase storage
Repository: https://github.com/webjayant/vocabguru

7. Day Planner: Personal Project
Aim: To help users plan and organize their day
Technologies Used: Vue, JavaScript, Moment, JQuery, HTML, CSS
Repository: https://github.com/webjayant/dayplanner

Skills

Frameworks:
- Node
- React
- Next
- Vue
- Express
- Codeigniter
- Bootstrap
- Materialize CSS
- SCSS
- Django
- LangChain/LangGraph

- Core JavaScript (ES6)
- HTML
- CSS
- PHP
- Python

Languages:

Cloud Platforms:
- Google Cloud Platform
- Amazon Web Services
- Firebase

Databases:
- MongoDB
- MySQL
- PostgreSQL

Libraries:
- Lodash
- Underscore
- JQuery
- Shopify
- Moment

System Environment:
- Linux
- Windows

Education

April 2012 - May 2015   **Bachelors of Technology (CSE)**

SHIATS, Allahabad (Dropped out in 2015 due to family crisis)

April 2009 - May 2012   **SSC + HSC | Science (ICSE)**

St.Pauls, Gorakhpur

Developer Communities

- Github: https://github.com/webjayant
- Codepen: https://codepen.io/webjayant
- AngelList: https://angel.co/webjayant
- Pluralsight:https://app.pluralsight.com/profile/webjayant
- Stackoverflow:https://stackoverflow.com/users/6890449/webjayant
- Website:https://webjayant.app
- Dev.to:https://dev.to/webjayant

Certification and Achievements

- **Full Stack Web Development** Certification **freeCodeCamp** | Computer Software Engineering
- The University of New South Wales 2009 International Assessments for Indian Schools | **Educational Assessment Australia – Distinction in Science and Credit in Mathematics**
- Public Relation Officer, Technical Advisor and Chief Advertising Officer of the college's Literary Club