

Shet Shrikant Avinash

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Career Objective:

To deliver what the world needs, in technological challenges and areas that intrigue me, while mastering the art of lifelong learning-unlearning, which helps me maintain a good market position.

Key Skills:

- **Frontend:** HTML, CSS, JS, jQuery, ReactJS, NextJS, Apollo GraphQL Client, TailwindCSS, ChakraUI, Styled Components, Storybook
- **Backend:** NodeJS, ExpressJS, AdonisJS, TypeORM, GraphQL, Postgres, Redis, Nginx, PM2
- **Headless CMS:** Strapi.io
- **Languages:** TypeScript, Javascript, HTML, CSS
- **DevOps:** AWS Amplify, AWS EC2, AWS S3, Nginx

Professional Experience in IT Services¹:

Sr. No.	Position Held, Department and Organization	From	To	Experience
1	Full-stack Developer ² Full-stack Interactive LLP	1 Jan 2022	Present	1 year 3 months
2	Freelance Software Developer ³	19 Jan 2021	31 Dec 2021	1 year
3	Project Manager ⁴ Intellection Software and Technologies Pvt. Ltd.	3 Jan 2019	18 Jan 2021	2 years

¹Note that this is exclusive IT experience. The overall experience is detailed out in appendix 1.

²Project-wise information is detailed out in appendix 2.

³Project-wise information is detailed out in appendix 3.

⁴Project-wise details of projects executed as a project manager are provided in appendix 4.

Educational Qualifications:

- **Ph.D. Dropout**, IIT Madras, October 2017
- **M.Tech**, Thermal and Fluids Engineering, University Gold Medallist, Dr. Babasaheb Ambedkar Technological University, Lonere, July 2016. GPA: 8.52 (85.2%)
- **B.Tech**, Mechanical Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere, May 2013. GPA: 8.02 (72.91%)
- **HSC**, Maharashtra State Board, February 2009, 84.67%
- **SSC**, Maharashtra State Board, March 2007, 82.30%

Other Academic Achievements:

Qualified GATE 2015, 2014 and 2013

Research Publications:

- Shrikant Shet, Omprakash Patil, Neeraj Agrawal, 2016, Energetic and exergetic studies of modified CO₂ transcritical refrigeration cycles, The 12th IIR Gustav Lorentzen Natural Working Fluids Conference, Edinburgh, Scotland. (Current citations of this publication: 3)
- Omprakash S Patil, Shrikant A Shet, Manish Jadhao, Neeraj Agrawal, Energetic and exergetic studies of modified CO₂ transcritical refrigeration cycles, International Journal of Low-Carbon Technologies. (<https://doi.org/10.1093/ijlct/ctaa042>)
- Abhijit Date, Omprakash Patil, Shrikant A Shet, Neeraj Agrawal, 2021, Experimental studies on transcritical CO₂ heat pump system for simultaneous water cooling and heating application, International Journal of Green Energy. (<https://doi.org/10.1080/15435075.2021.1941045>)

Honours and Awards:**• Voluntary Work/Social Service**

- Technical Advisor to Kokan Vishanema Dnyati Mandal – A community of Vishanema people with 900 families, since October 2020.
- President of ISHRAE Student Chapter 2012-13, Dr. B.A.T.U.
- Coordinator of Mechanical Engineering Students' Association (MESA) 2009-10, Dr. B.A.T.U.
- Coordinator in singing committee during Annual Social Gathering, 2012, Dr. B.A.T.U.
- **Sports:** Secured second position in Basketball competition in Annual Sports Meet 2009-10, Dr. B.A.T.U.
- **Cultural:** Secured first prize in Inter-Departmental drama, Antarad 2009-10, Dr. B.A.T.U., Lonere

Personal Information:

Name : Shet Shrikant Avinash
Date of Birth : 23rd December, 1991
Gender : Male
Languages Known : Marathi, Hindi and English
Hobbies : Reading, listening music, leading in organizing programs, blogging

Declaration:

I hereby declare that the above-mentioned information is true & I bear the responsibility for the correctness of the above-mentioned.

Shrikant Shet

Appendix 1: Professional Experience Summary

Sr. No.	Position Held, Department and Organization	From	To	Experience (Months)
IT Services Industry Experience (46 months)				
10	Full-stack Developer Full-stack Interactive LLP	1 Jan 2022	Present	13
9	Freelance Software Developer	19 Jan 2021	31 Dec 2021	12
8	Project Manager Intellection Software and Technologies Pvt. Ltd.	3 Jan 2019	18 Jan 2021	24
Research and Teaching (49.5 months)				
7	Assistant Professor Mechanical Engineering Department Dr. Babasaheb Ambedkar Technological University, Lonere	4 Jul 2018	31 Dec 2018	6
6	Assistant Professor Mechanical Engineering Department Chh. Shahu College of Engineering, Aurangabad	18 Jul 2016	31 Mar 2018	20.5
5	Project Officer Mechanical Engineering Department Centre for Industrial Consultancy and Sponsored Research, IIT Madras	15 May 2017	7 Jul 2017	
4	Research Scholar Mechanical Engineering Department IIT Madras	8 Jul 2017	14 Oct 2017	
3	Teaching Assistant Mechanical Engineering Department Dr. Babasaheb Ambedkar Technological University, Lonere	18 Aug 2014	16 Jul 2016	23
Mechanical Engineering Industry Experience (9.5 months)				
2	Graduate Engineer Trainee Pellet Plant Operations JSW Steel Ltd.	16 Jan 2014	17 Aug 2014	7
1	Graduate Engineer Trainee Six Sigma Department Sudarshan Chemical Industries Ltd.	16 Aug 2013	31 Oct 2013	2.5
Total Non-Overlapping Experience		9 yrs		

Appendix 2: Software Development Projects as a Full-stack Developer at Full-stack Interactive LLP

Project 1:

- **Title:** Revamping a web application for a Silicon Valley based client
- **Brief Description:** The old website was driven by markup written in yaml files. The project involved revamping the site for improved performance and migrating data to a CMS from the yaml files. Further extending the application to cater confidential private data between the organization and its clients as well as partners. The revamped application replaced four different prior applications.
- **Stack:**
 - Front-end: NextJS, ChakraUI, TypeScript
 - Backend: Strapi.io, AdonisJS
 - Database: Postgres
 - DevOps: AWS Amplify, Nginx, PM2, AWS EC2, AWS S3
 - Others: Gitlab
- **My Responsibilities:**
 - Leading frontend team for development, testing, deployment and maintenance.
 - Building, maintaining and deploying backend in AdonisJS. Strapi customizations was not a part of my responsibility.
 - Handing over DevOps to a dedicated DevOps team after 10 months of the project which then used Terraform and created infra on AWS using EC2 instances, load balancers, CloudFront and S3 buckets.
 - Coordinating with security team to understand the security issues and resolve the same.
- **Status:** First released in Feb 2022, followed by major releases every quarter. Every quarter's release involved revamping an application and integrating it in one project's codebase.

Project 2:

- **Title:** Building a progressive web app (PWA) for a solar fintech.
- **Brief Description:** Building a web application which connects solar project contractors with their clients.
- **Stack:**
 - Front-end: NextJS, TailwindCSS, TypeScript
 - Backend: AdonisJS
 - Database: Postgres, Redis
 - DevOps: Nginx, PM2, AWS EC2, AWS S3, Cleavr.io
 - Others: Gitlab
- **My Responsibilities:**
 - Full-stack developer for this project, wherein leading frontend and building backend APIs as required.
- **Status:** Under development since May 2022.

Project 3:

- **Title:** Building frontends for a Boston Based IT Security and Compliance StartUp
- **Brief Description:** Adding features to an existing React application involving workflows and forms. This involved building an admin panel and a building frontend for the customers of our product subscribers.
- **Stack:**
 - Front-end: ReactJS, StyledComponents
 - Others: Git
- **My Responsibilities:**
 - Frontend development and support from July 2022 onwards.
- **Status:** Feature addition in progress.

Appendix 3: Software Development Projects as a Freelance Software Developer

Project 1:

- **Title:** A Community Management App for Vishanema Dnyati Mandal (<https://vishanema.org/>)
- **Brief Description:** A web application for managing a minority community with a world population of about 10k. Multiple modules with low complexity - user management with roles and permissions, family management, profile management, explore members.
- **Stack:**
 - Front-end: ReactJS, ChakraUI, Axios, Formik, Yup
 - Backend: NodeJS, ExpressJS, TypeORM, TypeScript
 - Database: Postgres
 - Others: Git, AWS EC2, Nginx, ClickUp
- **My Responsibilities:**
 - End-to-end development, testing and deployment.
 - My contribution is about 95% of development.
- **Team's Responsibilities:** Development team comprised of 2 members of which only I was responsible for development-testing-deployment. My colleague - Abhijit Ghogre, was responsible for code review, and resolve my queries regarding implementation approach. Actual team size exceeded 20, however, the 18 members were for managerial and operational aspects.
- **Status:** Live since 9th March 2021.

Project 2:

- **Title:** A Fintech Product for Brokers for Altrust Global Holdings Pvt. Ltd.
- **Brief Description:** A B2B product - web application and mobile application that enables brokers and financial managers to manage the accounts of their clients (retail investors).
- **Stack:**
 - Front-end: VueJS, TailwindCSS
 - Backend: Laravel, Nginx
 - Database: Postgres, Redis
 - Others: Git, ClickUp
- **My Responsibilities:**
 - End-to-end development, testing, deployment and maintenance since March 2021.
- **Team's Responsibilities:** The development team size was 2. The total team size was 5 where 3 members were CAs. My colleague, Abhijit Ghogre's responsibilities include architecting the application. Development before March 2021 was exclusively carried out by Abhijit Ghogre.
- **Status:** Live for last few years.

Project 3:

- **Title:** A Fintech Product for Retail Traders for Altrust Global Holdings Pvt. Ltd.

- **Brief Description:** A B2C product - web application that takes trading data from Kite's APIs, facilitates backtesting of trading strategies, and delivers live trading advisory over Telegram. A complex application involving integration with multiple third party platforms, web socket, and extremely critical since clients will take trading positions in market - realtime, based on the advisory.
- **Stack:**
 - Front-end: NextJS, Apollo Client for GraphQL, TypeScript, ChakraUI
 - Backend: NodeJS, ExpressJS, GraphQL, TypeScript, Nginx, PM2
 - Database: Postgres, Redis
 - Others: Git, ClickUp
- **My Responsibilities:**
 - Development, testing, deployment and maintenance since March 2021.
- **Team's Responsibilities:** The development team size was 2. The total team size was 5 where 3 members were CAs. My colleague Abhijit Ghogre's responsibilities included designing the application.
- **Status:** Under development from January 2021 to June 2021. On-hold (shelved) for now.

Project 4:

- **Title:** A Custom Product for an Angel Sub-Broker
- **Brief Description:** A custom ERP for a sub-broker to manage clients trading accounts.
- **Stack:**
 - Front-end: ReactJS, ChakraUI
 - Backend: NodeJS, ExpressJS, TypeScript, Nginx, PM2
 - Database: Postgres
 - Others: Git
- **My Responsibilities:**
 - Development, testing, deployment and maintenance. This is an individual project - my product. Currently, three client organizations are using it.
- **Status:** Released on 30th June.

Project 5:

- **Title:** A CMS Driven Frontend for Karo Life Pvt. Ltd. (<https://doonut.live/> - now shelved)
- **Brief Description:** A headless CMS driven frontend for an online education platform that facilitates building pages with CMS that are accessible as dynamic routes.
- **Stack:**
 - Front-end: NextJS, ChakraUI
 - Backend: Strapi.io, PM2
 - Database: Postgres
 - DevOps: AWS Amplify, Nginx
 - Others: Git
- **My Responsibilities:**
 - Development, testing, deployment and maintenance. This was an individual project.

- **Status:** Development from July 2021 to October 2021. The startup has now shelved the project.

Project 6:

- **Title:** Maintaining a web application for a Silicon Valley based client
- **Brief Description:** The statically built website was driven by markup written in yaml files. The project involved maintaining existing website - in terms of making minor changes as per business needs. The website had a backend for validating form submissions and generating once-use download links using ExpressJS.
- **Stack:**
 - Front-end: NextJS, SASS, MaterialUI
 - Backend: NodeJS - ExpressJS.
 - DevOps: AWS Amplify, AWS EC2, AWS S3, Nginx
 - Others: Git
- **My Responsibilities:**
 - Development, testing, deployment and maintenance.
- **Status:** Maintained from October 2021 to February 2022. Revamped parallel to this project.

Appendix 4: Software Development Projects as a Project Manager:

The projects delivered as a project manager are bound by a confidentiality clause, hence, an overview:

Project No.	Brief Overview	Team Size	Billable Hours	Stack
1	A custom ticketing system with a complex workflow and integration	4	370	.NET, Angular, MS SQL
2	Fraud detection algorithms	5	960	Python, Dataframes, MongoDB
3	A data visualization mobile application for clustering and overlaying real time data on maps	4	256	.NET, Angular, ReactNative, MS SQL
4	A WebApp with backend engine of Aspen Hysys	3	304	.NET, Angular, MS SQL
5	A POC for mathematical calculations for several GB data in a few seconds, involving probability and statistics	4	456	Python, Electron, Apache Drill
6	AI based chatbot	9	1368	Orbita
7	POC for a mathematical project involving probability and statistics	5	608	.NET, Angular
8	A web app and a mobile app (iOS as well as Android) for an educational product	5	1071	.NET, Angular, ReactNative
9	A mathematical simulation tool for petroleum industry	4	597	Python - Django, ZODB, ReactJS
10	An IoT product for mechanical industry	9	2405	Python, MongoDB, MySQL, ReactJS, Raspberry Pi
11	Requirement gathering and designing a professional networking app	5	509	-
Summary			8904 hrs	

The team reporting to me had the following skillset:

- **Front-end:** ReactJS, Angular
- **Back-end:** Python – django, .NET
- **Mobile:** ReactNative, Kotlin, Swift, Objective C
- **Databases:** MongoDB, MS SQL, MySQL, SQLite
- **Other Proprietary Technologies:** Wix, Orbita