

## Shet Shrikant Avinash

Mobile: (+91)7588106345

Email Id: [sshet24@gmail.com](mailto:sshet24@gmail.com)

Website: <https://shetshrikant.github.io/>

LinkedIn: <https://www.linkedin.com/in/shrikantshet/>

### 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
- **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 Services<sup>1</sup>:

Sr. No.	Position Held, Department and Organization	From	To	Experience
1	Full-stack Developer <sup>2</sup> Full-stack Interactive LLP	1 Jan 2022	Present	11 months
2	Freelance Software Developer <sup>3</sup>	19 Jan 2021	31 Dec 2021	1 year
3	Project Manager <sup>4</sup> Intellection Software and Technologies Pvt. Ltd.	3 Jan 2019	18 Jan 2021	2 years

<sup>1</sup>Note that this is exclusive IT experience. The overall experience is detailed out in appendix 1.

<sup>2</sup>Project-wise information is detailed out in appendix 2.

<sup>3</sup>Project-wise information is detailed out in appendix 3.

<sup>4</sup>Project-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 CO<sub>2</sub> transcritical refrigeration cycles, The 12<sup>th</sup> 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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 : 23<sup>rd</sup> 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)
<b>IT Services Industry Experience (46 months)</b>				
10	Full-stack Developer Full-stack Interactive LLP	1 Jan 2022	Present	11
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
<b>Research and Teaching (49.5 months)</b>				
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
<b>Mechanical Engineering Industry Experience (9.5 months)</b>				
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
<b>Total Non-Overlapping Experience</b>		<b>8.75 yrs</b>		

## 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:** Currently, the old website is driven by markup written in yaml files. The project involves revamping it for improved performance and migrating data to a CMS.
- **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 web development team for this project for development, testing, deployment and maintenance. This project involves aspects other than frontend and backend for the web application - the content is generated by regression tests running on software and processor combinations. The web application's custom backend built with AdonisJS and frontend is entirely my responsibility.
- **Status:** First released in Feb 2022, followed by major releases every quarter. Adding new modules every day.

### Project 2:

- **Title:** Building a progressive web app (PWA) for a solar fintech.
- **Brief Description:** The app is still under development.
- **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 occasionally building backend.
- **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 involves building an admin panel and a building frontend for the customers of our product subscribers.
- **Stack:**
  - Front-end: ReactJS, StyledComponents
  - Others: Git

- **My Responsibilities:** Development and support July 2022 onwards. This product is live and feature addition is ongoing.
- **Status:** Live for last few years, currently 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 exceeds 20, however, the 18 members are 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:** Development, testing, deployment and maintenance since March 2021.
- **Team's Responsibilities:** The development team size is 2. The total team size is 5 where 3 members are CAs. My colleague Abhijit Ghogre's responsibilities include designing the application. Development before March 2021 was exclusively carried out by Abhijit Ghogre.
- **Status:** Live for last few years, currently feature addition in progress.

### 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 is 2. The total team size is 5 where 3 members are CAs. My colleague Abhijit Ghogre's responsibilities include 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, one client is using it.
- **Status:** Released on 30<sup>th</sup> 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 is 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 is driven by markup written in yaml files. The project involves maintaining existing website - in terms of making minor changes as per business needs. The website has a backend for validating form submissions and generating once-use download links.
- **Stack:**
  - Front-end: NextJS, SASS, MaterialUI
  - DevOps: AWS Amplify, AWS EC2, AWS S3
  - Others: Git
- **My Responsibilities:** Development, testing, deployment and maintenance. This is a team project, involving aspects other than frontend and backend for the web application - the content is generated by some tests. The web application is my responsibility.
- **Status:** Already live. I'm maintaining since 1st October 2021.



#### 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