

Tirth Sidhpura, Software Developer

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LINKS

[github](#)

PROFILE

Highly skilled Software Developer with expertise in Frontend and Backend. Proven ability to quickly grasp new concepts and technologies. Seeking a challenging role to leverage my diverse skill set and contribute to innovative projects

SKILLS

Programming & Scripting Languages

- Expert: TypeScript, JavaScript (ES6+), SQL, NoSQL

Back-End Development

- Node.js (Expert): In-depth knowledge of building RESTful APIs and real-time applications using Express.js.

- API Design: Extensive experience in designing secure, scalable RESTful and GraphQL APIs with JWT and OAuth2 authentication.

- Web Scraping: Proficient in using Selenium, Cheerio, Axios, and integrating proxy servers for efficient and scalable data extraction.

Desktop Application Development

Electron.js: Skilled in building cross-platform desktop applications using Electron.js, integrating native system features, and delivering a seamless user experience.

Databases

- MongoDB (Expert): Strong command of aggregation, indexing, and schema design for high-performance data retrieval.

- SQL (PostgreSQL, MySQL): Skilled in complex query optimization, stored procedures, and data modeling.

- Database Management: Expertise in database replication, sharding, and performance tuning.

DevOps & Cloud

- Docker: Deep understanding of containerization, Docker Compose, and multi-stage builds for efficient deployments.

- CI/CD (GitHub Actions): Proficient in setting up automated pipelines for build, test, and deployment, including integration with Docker.

Technical Analysis & Trading Systems

- **Multithreading for Technical Analysis:** Expertise in implementing multithreaded calculations for technical indicators such as Relative Strength Index (RSI), Moving Average (MA), and Simple Moving Average (SMA) for efficient, real-time analysis.
- **TradingView, Binance API, and CCXT:** Experienced in integrating TradingView APIs for alerts, as well as Binance API and CCXT for cryptocurrency trading, including real-time data analysis and automated trading strategies.

Version Control & Collaboration

- Git & GitHub (Expert): Mastery in version control, branching strategies, and collaborative workflows with GitHub Actions for CI/CD.

- Agile Methodologies: Familiar with Agile, Scrum, and Kanban for effective team collaboration and project management.

Other Tools & Technologies

- API Testing: Proficient in using Postman and Swagger for robust API testing and documentation.

EMPLOYMENT HISTORY

Jun 2022 — Jul 2022	Html , css developer intern, Softcoding Solutions Created a portfolio website with html, css and javascript	Ahmedabad
Jan 2023 — Apr 2023	NodeJS developer Intern, Erience Solutions Project - ErienceX Alert System <ol style="list-style-type: none">1. Alert Price Setting: Users can set specific alert prices for various exchanges like Binance and KuCoin.2. Multi-Channel Notifications: When the set price is reached, notifications are sent via:<ul style="list-style-type: none">- Email- Telegram- Web notifications Binance Telegram Bot <ol style="list-style-type: none">1. Direct Trading Functionality: Users can buy or sell cryptocurrency directly from the Telegram bot.2. Trading Configuration: The bot allows users to:<ul style="list-style-type: none">- Set leverage- Define buy/sell price- Customize other trading parameters for a tailored trading experience.	Ahmedabad
May 2023 — Oct 2024	Software Developer, Erience Solutions Project - olympustrade - https://olympustrade.ai/ <ul style="list-style-type: none">• Developed a system that processes buy and sell signals by creating separate worker processes for each user, ensuring timely trade execution at the signal price. This solution optimizes order processing speed• Engineered a sophisticated trading bot utilizing RSI and MA algorithms for Olympustrade.ai, automating trading strategies and optimizing investment returns.• Developed a dynamic Price Alert System enabling users to set customized price thresholds for real-time alerts, enhancing user experience and facilitating timely decision-making.• Implemented WebSocket technology to stream live price data, ensuring accurate and up-to-date information for informed trading decisions.• Designed and integrated a Telegram bot with Binance APIs, enabling users to execute direct buy/sell cryptocurrency transactions seamlessly through the Telegram platform, enhancing accessibility and convenience.• Utilized npm packages including ccxt, Binance API, nodemailer, and JWT to streamline development processes, accelerating project delivery and improving efficiency.• Software is used by over 1000 users. Project - Accurate - https://beta.accurateai.in/ <ul style="list-style-type: none">• Developed software for managing crucial client data, including KYC and demat requests, for AccurateAI.• Designed a system to handle daily uploads of thousands of records from CDSL and NSDL and generate reconciliation reports.• Integrated a robust analytics module, reducing the team's workload by 50%.• Software is used by over 100 users. Project - Benpos Visualizer - (https://github.com/erience/benpos-visualizer) <ul style="list-style-type: none">• Developed an Electron-based data visualization tool to process raw weekly data from CDSL and NSDL.• Converted raw data into a human-readable format, simplifying complex financial data for decision-making.• Enabled data comparison between two weeks to track share buying and selling trends, showing open, buy, sell, and close statuses.• Provided critical analytics, such as state-wise buying trends and age group distributions, to aid in strategic decision-making.	Ahmedabad

EDUCATION

Jul 2020 — May 2023	Computer Engineering, Ahmedabad Institute of Technology CGPA - 7.8	Ahmedabad
May 2017 — Apr 2020	Electrical Engineering, Government polytechnic Ahmedabad CGPA - 7.22	Ahmedabad

EXTRA-CURRICULAR ACTIVITIES

Event Management Software

The project is about intercollege management of events, faculty can upload events and students can participate by filling the form.

Created MiddleWares to authenticate the data in backend, store details in DB and also sent confirmation email,

Skills - NodeJs, MongoDB, ExpressJs, EJS.

PERSONAL PROJECT

Paperonboard.in

Build a website for the students to download question paper of GTU past papers, which is currently used by thousands of students.

Skills - Google Analytics, php, mysql, hosting

LANGUAGES	English	B2	Gujrati	Native speaker
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SKILLS	NodeJS	HTML/CSS/JavaScript
	MongoDB	mysql
	Express.js	typescript
	JavaScript	electron js
	EJS	