SUBARNA SAHOO

📞 +91-865-882-3367 ✉ subarnasahoo.work@gmail.com 🔗 linkedin.com/in/subarnasahoo ⬤ github.com/subarna-sahoo

Professional Summary

Passionate Software Engineer with nearly 6 years of experience, skilled in Golang, Python, JavaScript and AWS. Expert in building scalable, secure systems, optimizing performance, and proficient in agile development practices.

Technical Skills

Languages:	Golang(Go), Python, JavaScript, Dart
Frameworks:	Gin, Django, Flask, Serverless, Selenium, Flutter
Databases:	DynamoDB, PostgreSQL, Firebase, MySQL
Libraries & Tools:	Redis, Grafana, Prometheus, WebSockets, Web3, Pandas, TradingView, Goroutine
Cloud & DevOps:	AWS(EC2, CodePipeline, RDS, OpenSearch, Lambda, SQS, S3), GCP, Docker, Kubernetes

Experience

Bhanzu   Feb. 2023 – Jan. 2025

SDE-IV (Full-time)   *Bangalore, KA, IN.*

- Integrated OpenAI's real-time model with Twilio to streamline customer calls, automating 80% of manual processes, reducing response times, and enhancing overall operational efficiency.
- Led and scaled Bhanzu's Payments System, managing global transactions across diverse gateways like RAZORPAY, TABBY, JUSPAY. Developed robust payment processing system, ensuring efficiency, security, regulatory compliances.
- Implemented vendor manager service to streamline communication with vendors and payment gateways, optimizing workflows. Introduced data-driven strategies and dynamic gateway switching, enhancing transaction efficiency.
- Streamlined post-transaction workflows with IRN & Signed QR billing automation for tax compliance, making the on-boarding process 87% automated. This led to 40% more revenue with faster on boarding.
- Implemented Multi-Authentication system in Gateway level, incorporating OTP and JWT for microservices, while enhancing security with reCAPTCHA Enterprise, preserving user experience integrity and thwarting spam.
- Consistently engaged in code enhancements, cost optimizations, introduced the FastAPI framework, addressed production bug fixes, and devised architectural solutions for daily challenges.

Astha Credit & Securities Private Limited   Aug. 2021 – Jan. 2023

SDE-II (Full-time)   *Bangalore, KA, IN.*

- Designed and implemented a suite of options trading strategies using Implied Volatility, Option Greeks, and payoff simulations to guide users with real-time insights, maximizing returns through calculated risk-reward mapping.
- Engineered a low-latency, multi-socket UDP listener for real-time exchange tick data with packet validation, sequencing, and buffering. Processed streams drive algo-trading, GTT execution, and are served via high-performance APIs.
- Designed the complete notification system for users on Firebase topic-notification and device-group notifications.
- Integrated TradingView-Charts and developed APIs for Candlesticks, Watchlist, News, Orders, Holdings, Positions, and PnL tracking. Built responsive trading interface elements using ReactJS for seamless user interaction.
- I have created a news scrapping service on lambda(AWS) which extracts various news website's data. So, our user can easily check the related news as per their portfolio stocks. Which can be found on TradingView News section.
- Implemented stock searching feature on AWS OpenSearch(ElasticSearch) and a dedicated search with a JSON file.

INVESTSAATHI FINANCIAL SERVICES PVT. LTD.   Mar. 2019 – Jul. 2021

Full-Stack Software Engineer (Full-time)   *Bangalore, KA, IN.*

- Developed a complete Trading System using Asynchronous Django server with multiple APIs(Vendors) like IIFL, KITE, 5Paisa, and Symphony, etc. Implemented Web-sockets to dispense real-time data to clients with web notifier.
- Implemented script to automatically update sessions and scrap stock's live data from Zerodha & NSE using Selenium.
- Integrated multiple Cron-jobs on AWS to update client trading portfolio data from various APIs. Subsequently developed an optimized technique for Cron-jobs that reduced database reads by over 40%.
- Built UI & backend to manage Cronjobs and APIs, allowing custom cronjob timing and server log checks by admin.
- Developed a real-time virtual trading platform for prospective investors to practice their investment strategies using real market data without risking actual funds.

Education

Veer Surendra Sai University of Technology   July. 2014 – July 2018

Bachelor of Technology - Electrical Engineering   *Odisha, India*

Personal Information

Languages:	English, Hindi, Odia.
Strength:	Creative Thinker, Smart Worker and Avid Learner.
Likes:	Swimming & Playing Counter-Strike(CSGO/CS-2).