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Location: Bangalore, India

PROFESSIONAL EXPERIENCE

Total Experience – 3 years

Brain Crowd Software Private Limited

Senior Software Developer

October 2021 –

- Led backend development for the My Vessel Spotter website, utilizing Python, Django, and REST APIs to create a dynamic platform.
- Played a pivotal role in consecutive sprints, immersing myself in Java Spring Boot development and making substantial contributions to feature building and refining procedures.
- Currently working on the transition from monolithic to microservices backend development for Boxxport's website, leveraging the Java Spring Boot framework to build a high-performing system.
- Integrated external APIs to expand application functionality and enhance user experience.
- Successfully integrated payment gateways and implemented wallet systems for secure financial transactions.
- Designed intricate database schemas, enhancing project functionality and data management.

Invsto

Software Developer (Internship)

February 2020 – July 2021

- Spearheaded the development of stock trading chatbot through production boosting revenue by 30%.
- Orchestrated the development of portfolio analyser and stock screener platforms for the company website.
- Utilized PostgreSQL, MySQL, data warehousing programs, Tableau, and other data visualisation toolsets for data intelligence and analysis.
- Develop, refine, and scale data management and analytics procedures, systems, workflows, and best practices.
- Designed and developed complex data pipelines and maintained the data quality to support a rapidly growing business.

Lightning Speed Event Services

Marketing Analyst (Internship)

March 2018 – March 2020

- Leveraged relationship-building to organize successful events in residential buildings, resulting in a remarkable 67% revenue growth.
- Transformed marketing approaches by harnessing data from diverse channels, optimizing strategies for enhanced performance.
- Utilized Python and data analysis to devise a client-retention initiative, yielding a consistent 12% revenue increase by fostering repeat business.
- Applied Python's Django, JavaScript, and React JS within an agile framework to create user-friendly client sites, fostering community engagement and ease of use.
- Catalyzed a substantial 69% online sales upswing by synergizing data insights from online channels into a unified marketing strategy.
- Conducted comprehensive research into diverse Project Management tools, enhancing operational efficiency and workflow streamlining.
- Developed Key Performance Indicators (KPIs) to monitor sales and decreased costs by 17%.

CryptoWex

COO

January 2019 – January 2020

- Managed end-to-end development of the company's flagship trading platform using agile methodology, ensuring efficient delivery and top-notch performance.
- Enhanced client relationships by actively participating in conference calls, gaining deeper insights into client needs and resolving specific issues.
- Engaged investor groups through impactful presentations, effectively securing financing by showcasing the company's value proposition.
- Spearheaded the preparation of Key Performance Indicator (KPI) reports on trading activity, consistently monitoring, and enhancing the effectiveness of trading performance metrics.

TECHNOLOGY AND SKILLS

- **Programming Language and frameworks:** Python, Java, SpringBoot, R, HTML/CSS, C, C++, Django, Tableau, JavaScript, React JS.
- **Technical Skills:** Amazon Web Services (AWS), Machine Learning, Data Visualization, Big Data, Data Mining, Adobe Photoshop, Adobe Premiere Pro, Risk Analysis, GIT, Jenkins, Keras, NumPy, CI/CD
- **Soft Skills:** Problem-Solving, Mind-mapping, Project Management, Active Learning, Creative writing, Conflict Management, Decision-making, Work Ethic, Goal setting, Leadership.
- **Database:** SQL, PostgreSQL, TimescaleDB, MySQL, MongoDB, Arctic DB.
- **Languages:** English(native), French (Intermediary)

PROJECTS

Stock Trading ChatBot

Chatbot

- Create an Automated Stock Trading Chatbot deployed on Discord through an AWS EC2 server.
- Trading Equities and Forex through Alpaca and Oanda brokerages APIs respectively.
- The broker writes the command to buy or sell on the respective channels for equity and forex which the chatbot reads and implements for all the user registered on the bot.
- Developed using Python and Discord API, with SpaCy NLP model for reading the text sent by the user.
- Employed Amazon SES for efficient and scalable email delivery of legal documents to users.
- Stored and managed legal documents securely on Amazon S3, ensuring reliable access and control.

Research on School Bus Routing problem

Research

- Solving School bus routing problem while using Travelling Salesman Problem as reference.
- Four algorithms (Greedy approach, Brute Force, Branch N Bound, Backtracking) to check and analyse which algorithm gave the optimum result and checking the time complexity across the four approaches.

Visualizing and forecasting stocks using Dash

Research + Website

- Creating multiple models and training them on over 20 years of stock data and evaluating their success rate.
- Created a single-page web application using Dash and using the ML models from above that shows company information and stock plots based on input by the user.
- ML model will enable the user to get predicted stock prices for the date inputted by the user.

Music Player

Website

- Developed using Python, Django, JavaScript, HTML/CSS and using AWS RDS MySQL for database.
- A cloud-based format where user can login, upload all albums and songs he wants, and listen to them anywhere he wants.
- A chat bot which recommends songs based on analysis of user's data.

References
