B. VINOTH

Bangalore, India
Associate Technical Lead - Full Stack

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Summary

Computer Science graduate with 4.5+ years of hands-on experience in designing, developing, and implementing applications and solutions using a range of technologies and programming languages like Django, HTML, CSS, Node.js, MongoDB, SQL, and Angular. Capable of analyzing customer feedback to find the best way to create new and enhance the existing product features.

Core Qualifications

- Efficient Programming Skills
- Developing front-end website architecture.
- Designing user interactions on web pages.
- Developing back-end website applications.
- Expertise in Independent Research and Problem Solving
- Working with API and version control systems
- Basic design ability and conduct hardware and software tests.

Educational Qualifications

2013-2017 **B.E. in Computer Science & Engineering**
Ganadipathy Tulsi's Jain Eng. College, Vellore, India
CGPA – 8.12

2011-2013 **Higher Secondary**
Kendriya Vidyalaya No.1 Kalpakkam, India

Software Proficiency

- **Languages:** Python, JavaScript, HTML, CSS, SQL, NoSQL
- **Framework/Libraries**: Django / REST, Angular, Node JS
- **Databases**: PostgreSQL, MongoDB, Redis
- **Package Applications**: IntelliJ, Microsoft Office (Word, Excel, PowerPoint), Visual Studio Code
- **Operating systems**: Windows, Linux
- **Others**: GIT, Gitlab, JIRA, Confluence, Nginx, Docker basics

Professional Experience

Flutura Business Solutions Private Limited
11-Oct-2017 - Present
Role: Full Stack Developer
Current Designation: Associate Technical Lead - Full Stack
Previous Designations: Sr. Programmer, Programmer, Trainee Programmer

Roles:

1. Gather and analyze requirements to provide a detailed feasibility analysis report along with a roadmap for execution.
2. Build dynamic, visually attractive, end-to-end, and innovative software products/apps including front-end and back-end
3. Liaise with the client to gauge their needs and expectations.
4. Plan the layout of the website.
5. Ensure that the website is optimized for various devices.
6. Design distributed system architectures to scale up the application and increase performance and availability.
7. Identify and evaluate risks/threats by performing different experiments and mitigate/ eliminate them for seamless delivery.
8. Coordinate between various customer teams and internal teams for the design and implementation of new features.
9. Developing APIs and RESTful services
10. Provide technical guidance or support for the development or troubleshooting of systems.
11. Meeting both technical and consumer needs.
12. Staying abreast of developments in web applications and programming languages.
13. Evaluate current or emerging technologies to consider factors such as cost, portability, compatibility, or usability.
14. Perform end-to-end testing of the platform to ensure quality before deployment of new features.
15. Research, test, and verify the proper functioning of software patches and fixes.
16. Identify and evaluate risks/threats by performing different tests and mitigate/ eliminate them for smooth delivery.
17. Perform ongoing hardware and software maintenance operations, including installing or upgrading hardware or software.
18. Handle juniors and freshers and provide technical guidance on various modules of the platform along with frequent code reviews.
19. Compile and write documentation of program development and subsequent revisions, inserting comments in the coded instructions so others can understand the program.
20. Write or contribute to instructions or manuals to guide end-users.

Project Experience:

Product: Engineering Workbench:
Tech Stack: PostgreSQL, MEAN Stack, Python (Django), Docker, Nginx
(Jan 2020 - Till Date)

Cerebra Engineer's Workbench (EWB) is a low-code/no-code self-service data science platform tailored for engineering data analysis. EWB's primary focus users are Engineers & Analysts working in the core engineering domain who need to analyze data generated by systems, equipment, and processes along the end-to-end life cycle from research & development to customer service.

- Design, Develop, Testing, and Deployment of Output Engine – A module that shows the visual output of the data in forms like Charts and tables and allows users to interact with them like zooming, viewing in full screen, annotations, and much more.
- Added a new module named Widget - A set of charts and graphs that can be used to perform a visual analysis of data. EWB supports a rich set of charts with a lot of options to control & customize the chart output and general look and feel.
- Design, Develop, Testing, and Deployment of Aggregation Framework – A framework that allows visualizing a very large number of data points in a single chart.
- Added Node middleware and User Authentication for the EWB Platform
- Developed APIs for different use cases and feature requirements.
- Involved in the implementation of User Interface for the platform. Developed multiple features across the entire application.
- Involved in Packaging and Prediction module – A module where users can package an ML toolbox that can be used as a standalone flow to predict the outcomes with various alternate data sources.
- Brainstorming with product managers users and team for designing new features in the platform which add value to the product.

Product: Quality Pulse
Customer: Henkel
Tech Stack: PostgreSQL, MEAN Stack, Python (Django)
(June 2019 - Dec 2019)

Quality Pulse application is built mainly for quality benchmarking purposes. The application provides the status of the "Quality" of the Bulk Material produced in the manufacturing plant. The application will categorize the finished goods into multiple categories such as excellent, good, bad, and poor. The basis or the benchmark for categorization is defined by the manufacturing unit quality team. Each batch manufactured in the plant is assigned a quality rating for comparison.

- Owned entire migration of the existing application from jQuery to MEAN Stack.
- Working alongside UX designers for various web design features.
- Setting up the Application with Django, Node, and Angular framework.
- Adding the user authentication system to the application.
- Handle a team of developers and communicate well with them for product roadmap/performance enhancement
- Development of generic Charts module which can be reused across webpages and is only driven by meta which can be easily configured in the backend.
- Designed and Developed Lazy loading tables
- Coordinate between various customer teams and internal teams for the design and implementation of common features across applications.
- Involved in redesigning multiple services to achieve high performance and optimizations and meet new requirements.
- Developed REST APIs needed for the application.
- Support team to solve technical problems, debugging, code reviews, and provide feedback.

Product: Quality Diagnostics and Prognostics
Customer: Honeywell
Tech Stack: PostgreSQL, MEAN Stack, Python (Django)
(Sep 2018 - May 2019)

The goal is to build an application that would be utilized for predicting Quality Scores and individual Output Parameter values for each batch being produced in the plant today.

- Owned End-To-End Design, Development, and Integration of entire Front-End Application from scratch.
- Working alongside UX designers for various web design features.
- Setting up the Application with Django, Node, and Angular framework.
- Adding the user authentication system to the application.
- Development of generic Filters module which can be reused across webpages.
- Provided guidance to team members on technical design, debugging and optimizing the APIs to meet the requirements for the customer.
- Developed REST APIs needed for the application.
- Involved in Bi-Weekly customer calls for requirements gathering.
- Brainstorming with product managers and users and team for designing new features in the platform which add value to the product.

Product: PFEP (Plan for Every Part)
Customer: Henkel
Tech Stack: MS-SQL, Angular JS, Python (Django)
(Oct 2017 - Aug 2018)

The application's goal is to increase competitiveness and customer satisfaction through Optimized Inventory Management (higher Inventory Turns), better portfolio management, and transparency on constraints.

- Involved in weekly customer calls for requirement gathering.
- Perform monthly data loads.
- Design, Develop, and Deployment of Batch Module – A new dashboard specifically designed to visualize the performance of the company at a batch level.
- Optimization of filter module for high performance and quick load.
- Involved in making the application responsive.
- Fixing bugs raised by the customers.
- Developed REST APIs needed for the application.

Achievements

- **Department Topper** during the bachelor's degree and received multiple monetary awards for the same.
- Won several prizes during Inter and Intra college symposiums.
- Selected for "**National Handball Championship"** during Higher Secondary.
- Selected for **"Regional Level Cricket"** tournaments during Secondary and Higher Secondary
- Received "**Shining Star**" for outstanding performance from Flutura.