

# B. VINOTH

Bangalore, India  
Associate Technical Lead - Full Stack

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## Summary

Experienced computer science graduate with 5+ years of hands-on experience in application and solution design, development, and implementation using various technologies and programming languages such as Django, HTML, CSS, Node.js, MongoDB, SQL, and Angular. Skilled in analyzing customer feedback to identify opportunities for creating and improving product features.

## Core Qualifications

- Proficient in programming, including front-end website architecture, user interaction design, and back-end website development.
- Strong independent research and problem-solving skills.
- Experience working with APIs and version control systems.
- Basic design skills and ability to conduct hardware and software testing.

## 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

## 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. Conducted requirements gathering and analysis to create detailed feasibility reports and execution roadmaps.
2. Designed and developed dynamic, visually appealing, end-to-end software products/apps with front-end and back-end components. Also, dockerized these applications to make them more portable and easier to deploy.
3. Collaborated with clients to understand their needs and expectations.
4. Planned and optimized website layouts for various devices.
5. Designed distributed system architectures to improve performance and availability.
6. Identified and mitigated risks and threats through experiments to ensure seamless delivery.
7. Coordinated with cross-functional teams for the design and implementation of new features.
8. Developed APIs and RESTful services.
9. Provided technical guidance and support for system development and troubleshooting.
10. Fulfilled both technical and consumer needs.
11. Stayed current with web application and programming language developments.
12. Evaluated emerging technologies based on cost, portability, compatibility, and usability.
13. Conducted end-to-end testing of the platform to ensure quality prior to deployment.
14. Researched, tested, and verified the functionality of software patches and fixes.
15. Performed ongoing hardware and software maintenance, including installation and upgrades.
16. Mentored junior team members and provided technical guidance on various platform modules, including code reviews.
17. Created and updated documentation for program development and revisions, including commenting code for clarity.
18. Wrote or contributed to end-user instructions and manuals.

## **Project Experience:**

### **Product: Engineering Workbench:**

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

A low-code/no-code self-service data science platform for engineering data analysis, primarily used by engineers and analysts in the core engineering domain for analyzing data generated by systems, equipment, and processes throughout the end-to-end life cycle.

- Designed, developed, tested, and deployed the Output Engine module, which allows users to view and interact with visual outputs in the form of charts and tables.
- Created a Widget module, a set of customizable charts and graphs for visual data analysis.
- Designed, developed, tested, and deployed Aggregation Framework for visualizing large data sets in a single chart.
- Implemented Node middleware and user authentication and authorization via password/Azure AD SSO for the EWB platform.

- Developed APIs for various use cases and feature requirements.
- Contributed to the implementation of the user interface and developed multiple features across the entire application.
- Worked on the Packaging and Prediction module, which allows users to package and use ML toolboxes for predicting outcomes with alternate data sources.
- Collaborated with product managers, users, and team to design new, value-adding features for the platform.
- Dockerize the application making them more portable and easier to deploy.

**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.

- Led the migration of the existing application from jQuery to the MEAN stack.
- Collaborated with UX designers on various web design features.
- Set up the application with Django, Node, and Angular frameworks.
- Implemented a user authentication system for the application.
- Managed a team of developers and effectively communicated product roadmap and performance goals.
- Designed and developed a generic charts module for reuse across webpages, configurable through backend metadata.
- Created lazy loading tables.
- Coordinated with cross-functional teams for the design and implementation of common features across applications.
- Redesigned multiple services for improved performance, optimization, and new requirements.
- Developed REST APIs for the application.
- Assisted team in solving technical problems, debugging, and code reviews, and provided 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 frameworks.
- 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 of 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.

- Conducted weekly customer calls to gather requirements
- Responsible for performing monthly data loads
- Designed, developed, and deployed Batch Module, a dashboard for visualizing company performance at a batch level
- Optimized filter module for high performance and quick load times
- Worked on making the application responsive
- Addressed customer-raised bugs and issues
- Developed REST APIs 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.