V G Thomson

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Objective

Full Stack Developer with 3+ years of experience in building scalable web applications using **Python (Django/FastAPI)**, **Java (Spring Boot)**, and **React**. Experienced in API development, database optimization, microservices, and production deployment. Passionate about solving real-world problems, improving system performance, and delivering reliable, maintainable software solutions.

Core Skills

Languages: Python, Java

Frontend Technologies: React.js, HTML5, CSS3

Backend Technologies: FastAPI, Spring Boot

Databases: MySQL, PostgreSQL

DevOps/Deployment: Docker, Nginx

API & Auth: REST APIs, JWT/OAuth2

Tools: Git, GitHub, GitLab

Other Skills: System Design, Debugging

Scripting: JavaScript (ES6+), PHP, SQL

UI Tools: Bootstrap, jQuery

Frameworks: Django, Laravel, Hibernate

Others: MS SQL Server, SQLite

Platforms: Render, OVH, cPanel, GitHub Actions

Async Tools: Celery, Redis

Work Tools: Jira, Postman, VS Code, IntelliJ, PyCharm

Practices: Performance Tuning, Agile, Code Reviews

Professional Experience

Techfifo Innovations LLP   Palakkad, India
Software Engineer   Jun 2024 – Present

- Developed end-to-end web applications using **Django**, **React**, **PHP**/**Laravel**, and **Spring Boot**.
- Improved system performance by optimizing MySQL queries, implementing indexing, and refactoring API logic.
- Integrated payment gateways (Razorpay) and third-party services securely and efficiently.
- Automated deployment pipelines and handled server configurations using Docker, Nginx, cPanel, and Render.
- Collaborated with international clients for project planning, technical discussions, and end-to-end delivery.
- Led code reviews, mentored junior developers, and maintained clean Git workflows (branching, MRs).

Sysintellects (Outsourced through Techfifo)   Remote
Full Stack Developer   May 2025 – Present

- Worked closely with enterprise development teams using **Java, Spring Boot, Hibernate, MS SQL Server, React**.
- Built and maintained modules for contract management, workflow, and field-level permission systems.
- Developed reusable services, optimized ORM queries, and integrated microservices with legacy systems.
- Collaborated with React team for building dynamic front-end screens and state-based workflows.

Major Projects

1. CMxApp – Contract Management System   (Java, Spring Boot, Hibernate, MS SQL Server, React)
Role: Team Lead

- Leading the development of the management platform for a Contract Management System.
- Worked as a backend developer for an enterprise-level contract management product used to create, manage, and track the full contract lifecycle.
- Developed REST APIs for contract creation, workflow approvals, permission mapping, and user onboarding.
- Implemented dynamic field-level restrictions using role-based permission schemes.
- Improved API performance by optimizing Hibernate mappings and stored procedures.

- Built a FastAPI-based API that compares two documents and returns structured difference results.

- Contributed to integrating AI-based features for automated contract review and risk analysis.

2. Dental Clinic Management System   (Django, HTML, CSS, JavaScript)
Role: Team Lead

- Led the development of a complete management platform for a multi-branch dental clinic.

- Built modules for doctors, patients, staff, pharmacy, branches, and administrative operations.

- Implemented detailed treatment workflows where doctors can add procedures, select specific teeth using an intuitive GUI, and update case details.

- Designed a role-based access system for admins, doctors, receptionists, and pharmacists.

- Developed lab order tracking for items such as artificial teeth, crowns, and other dental requirements.

- Built inventory management, pharmacy operations, billing, appointment scheduling, and reporting modules.

- Coordinated with a 3-member team for UI/UX improvements, task assignments, code reviews, and client demos.

3. ID Card Designer Platform   (PHP, HTML, CSS, JavaScript, jQuery)
Role: Team Lead

- Created an online ID card designer platform for studios and institutions with editable and customizable templates.

- Developed drag-and-drop design tools with live previews, field placement, and export features.

- Built a workflow where the studio team can design templates, collect student data via dynamic forms, and review submissions.

- Enabled parents to preview their children's ID cards and request corrections before printing.

- Implemented an approval pipeline where schools or institutions can review, verify, and approve ID cards.

- Added user authentication, role management, and secure storage for generated ID card assets.

4. Aazhi Ecommerce Website   (PHP, Razorpay)
Role: Backend Developer

- Added secure payment integration using Razorpay's order API and webhook validation.

- Improved checkout flow and enhanced customer order tracking system.

5. Taskova – Delivery Partner Platform (UK)   (Django, DRF, Celery, Redis, REST API, Flutter App Backend)
Role: Backend Developer

- Developed the entire backend for a mobile app connecting restaurant owners and delivery partners.

- Implemented authentication, job posting, matching algorithms, push notifications, and payment modules.

- Used Celery + Redis for scheduled tasks, automated job expiry, and asynchronous operations.

6. Small-Scale Business & College Websites   (Django, PHP, React)

- Delivered multiple custom websites based on client requirements.

- Built dashboards, admin portals, contact management systems, and landing pages.

Academic & Freelance Projects

Moodify – Emotion-Based Music Player   (Python, NLP, Spotify API, NLTK)

- Developed a music recommendation system that detects user mood using NLTK sentiment analysis.

- Integrated Spotify API to fetch playlists and generate personalized song suggestions.

Canteen Management System with Sentiment Analysis   (Django, Python, VADER)

- Built a full-featured canteen management platform with menu, order handling, and feedback collection.

- Applied VADER sentiment analysis to categorize user feedback and provide insights for improvement.
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Student Portfolio Websites   (Django, HTML, CSS, JavaScript)

- Designed and developed professional portfolio websites for fellow students.
- Implemented project showcases, contact forms, résumé viewers, and responsive UI layouts.

Billing Software for Small Businesses   (Python, Tkinter, SQLite)

- Created lightweight billing software for small-scale shops using Tkinter.
- Implemented product management, invoice generation, basic reporting, and printable receipts.

Small-Scale E-commerce Projects   (Django / PHP / JavaScript)

- Built basic e-commerce platforms with product listings, cart features, checkout flow, and order tracking.
- Integrated admin dashboards for inventory, order processing, and customer management.

Teleindia Networks Pvt Ltd

Junior Engineer   Bangalore, India
2023 – 2024

- Worked in networking and infrastructure support for telecom clients.
- Configured network devices, servers, and DWDM equipment for OEM partners like **Ciena, Cisco, Infinera**.
- Provided technical support, troubleshooting, and on-site installation assistance.

Education

Bharathamatha College, Calicut University   2020 – 2023
Bachelor of Computer Applications (BCA)
Scored 80%

Achievements

- Successfully delivered multiple full-stack applications from requirement analysis to deployment.
- Improved backend API response time by 30% through optimized queries and caching.
- Recognized by clients for timely delivery, communication, and technical problem-solving.
- Mentored junior developers and improved code review quality within the team.