Dhananjay Patel

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With over 5+ years of expertise in software development, a diverse portfolio spans CRM systems, e-commerce platforms, and live trading solutions. Proficient in Python, PHP, and MySQL, coupled with extensive Linux server experience, technical skills are complemented by a strong foundation in mathematics and problem-solving. Passionate about crafting efficient, scalable backend systems and optimizing performance through innovative solutions. A continuous learner, driven to explore emerging technologies and contribute to impactful projects.

PROJECTS

COTTON BALES LIVE TRADING WEB/MOBILE APPLICATION

ROLE: PROJECT MANAGER, CO-FOUNDER, CREATE FROM SCRATCH
DURATION: Jan 2017 - June 2019, INCLUDING 4 ADMIN ROLES AND 2 USER ROLE

As a Co-Founder and Project Manager, spearheaded the transformation of a traditional cotton trading business into a fully digital platform, conceptualizing and building the first-of-its-kind Cotton Bales Live Trading (CBLT) application from scratch. Led a team of developers to deliver a comprehensive solution tailored for cotton industry leaders, enabling seamless buying and selling of cotton bales with real-time tracking and transparency.

The platform featured multi-role access, including 4 admin roles and 2 user roles, and introduced innovative functionalities such as:

- **Two-way price confirmation** for buyers and sellers, ensuring mutual agreement on transactions.
- **Document tracking** for testing results, allowing users to upload and monitor quality assurance reports.
- **Transportation tracking** to oversee the movement of bales from seller to buyer.
- **Re-testing integration** for quality verification, if required.
- **Balance and payment tracking**, providing users with real-time updates on financial transactions.

Successfully delivered the platform within a 2.5-year timeline, revolutionizing the cotton trading process and setting a new standard for efficiency and transparency in the industry. This project showcased exceptional leadership, technical innovation, and the ability to execute complex, large-scale software solutions.

VP SECURITY ECOMMERCE / CRM SOFTWARE AND TASK MANAGEMENT SYSTEM

ROLE: BACKEND DEVELOPER, MAJOR CONTRIBUTION (LEAD TEAM OF 10).
DURATION: JAN2020 TO JULY2023, INCLUDING VARIETY OF ROLES

As the Lead Backend Developer and a major contributor, played a pivotal role in designing, developing, and delivering a multi-platform solution comprising an **E-Commerce platform**, a **CRM system**, and a **Task Management System** within a strict 1-year deadline. Led a team of 10 developers, ensuring seamless collaboration and timely delivery while reporting directly to the company CEO and clients.
Key contributions and achievements include:

- **CRM System**: Built from scratch, enabling users to create quotes, generate invoices, and manage client interactions efficiently. Designed robust backend architecture to handle complex workflows and ensure scalability.
- **Task Management System**: Developed end-to-end, providing a centralized platform for task assignment, tracking, and progress monitoring, enhancing team productivity and project management.
- **E-Commerce Platform**: Led backend development, focusing on performance optimization, secure payment integrations, and user-friendly functionalities to deliver a seamless shopping experience.

Successfully delivered all three platforms within the tight deadline, showcasing exceptional technical expertise, leadership, and the ability to manage complex, multi-faceted projects. This project demonstrated a strong commitment to innovation, quality, and client satisfaction, setting a benchmark for future development initiatives.

KNIGHT SECURE AND BLIND WEBSITE AND CRM SOFTWARE
ROLE: BACKEND DEVELOPER, MAJOR CONTRIBUTION.
DURATION: NOV2022 TO JULY2023, INCLUDING VARIETY OF ROLES
Developed a custom CRM solution featuring a unique door design customization tool, implemented using AJAX for seamless user interaction. Integrated third-party APIs to enable quote creation, review retrieval from platforms like Facebook and Google, and direct client responses to reviews within the software. Additionally, incorporated SMS functionality, allowing clients to send and receive messages directly through the platform, enhancing communication efficiency and user engagement.

ALWAYSFIRST AND SURYYASKIRAN NEWS WEBSITE AND MOBILE APPLICATION
ROLE: BACKEND DEVELOPER.
DURATION: JAN2022 TO NOV2022, INCLUDING VARIETY OF ROLES
Built a dynamic news aggregator platform using WordPress and PHP, addressing performance bottlenecks by replacing the default WordPress API with a custom solution. Reduced API response times from 3-5 seconds to 200-300ms, achieving a 10x performance boost. Integrated RESTful APIs for real-time news updates and customized WordPress themes and plugins for an enhanced user experience.

- **Key Achievement**: Delivered a high-performance platform with optimized API response times, showcasing strong problem-solving skills and a focus on delivering efficient, scalable solutions.

EDUCATION

MASTER OF SCIENCE (CS & IT) - Sacred Heart University - Fairfield, CT || **(4.0 GPA)** || 2023-2024
BACHELOR OF COMPUTER APPLICATIONS- Jaipur National University - RJ, IND || 2012-2016

SKILLS & ABILITIES

- Programming Language: Python,C#, PHP, JavaScript, Node.js
- Framework & Platform: CodeIgniter 4, Express.js,, jQuery, AJAX, JSON, RESTful APIs
- Tools / Platforms: Visual Studio, VS Code, Unity 3D, Postman, Git, XAMPP
- Databases: MySQL, postgreSQL, SQLite, MongoDB

EXPERIENCE

Graduate Teaching Assistant | Sacred Heart University, Fairfield, CT (Apr 2024 - Present)
- Mentored 100+ students in Data Structures, VB.NET, and Statistics, providing guidance and support to enhance their understanding and performance.
- Developed 25+ projects, solving complex challenges in VB.NET and C++ to ensure seamless functionality and quality.
- Delivered instruction on algorithms and data structures, emphasizing practical implementation and problem-solving proficiency.

Senior Software Developer | Web Strataegic, Ahmedabad, India (July 2019 - July 2023)
- Development of robust APIs, w/s, & App. Huge, including VP Security-e-commerce and Knight Secure CRM.
- Mentoring junior developers in managing end-to-end software development lifecycles.
- Customized WordPress themes and plugins, developed automation tools for data scraping and posting, and collaborated with clients and teams to deliver high-quality, on-time projects.

Software Developer and Co-Founder | CBLT Pvt. Ltd, GJ, India (Jan 2017 - June 2019)
Spearheaded the development of a live trading platform for cotton bales, leading backend and frontend development while ensuring a seamless user experience. Delivered end-to-end technical oversight, balancing development with business strategy to drive startup success.

Software Developer | Navdurga Suppliers, Ahmedabad, India (June 2016 – Jan 2017)
Developed and optimized in-house software for billing, accounting, and customer records, while integrating government portals for regulatory compliance.