Shubham Sharma

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Senior Full Stack Python & Agentic Ai Developer | Automate workflows | Ollama Model Integration Specialist

Education

BCA from Glocal University, Saharanpur, 2017

Core Competencies

- Agentic Workflow Design
- Advanced Prompt Engineering
- WordPress API Integration
- Custom Node Development
- Database Optimization Techniques
- Automated Content Generation
- Cross-browser Compatibility
- AI Data Extraction
- Automation Task Analysis
- Secure Key Management
- Requirement Gathering
- Automated Data Reporting

Technical Skills

- Cypress | Wordops | JavaScript | React.js | Nginx | Apache | MySQL Stored Procedures | Linux | Troubleshooting | Php | Xampp | Cloud | Html Server | Angular | WordPress | Mongo | Express | CSS | Apache Server | WordPress CMS |Xampp | Postman | Rest API

Personal Details

- **Address:** Pune, India
- **Date of Birth:** 22/11/1995

Profile Summary

- **Full-Stack Python & React.js Development:** Offering 8+ years of expertise in building robust, scalable web applications using Python (Django, Flask, FastAPI) and React.js, delivering end-to-end solutions from frontend UI to backend services.

- **RESTful API Architecture:** Proficient in designing and managing secure, high-performance RESTful APIs using Python frameworks, enabling seamless integration between front-end React applications, databases, and external services.

- **OpenAI Agentic Bot Development:** Skilled in creating intelligent, task-oriented AI agents using OpenAI models and custom Python scripts, capable of complex reasoning, automation, and real-time execution.

- **Workflow Automation & Integration:** Experienced in integrating Python, React.js, and third-party services (like **Cypress n8n or custom APIs**) to automate workflows for content management, data processing, and operational tasks.

- **Full-Stack System Design:** Applied expertise in Python, JavaScript, React.js, and relational/non-relational databases to architect comprehensive solutions, ensuring smooth communication between frontend interfaces and backend logic.

- **Performance Optimization & Cloud Deployment:** Demonstrated success in optimizing application performance, implementing scalable architectures, and managing deployments on cloud platforms (AWS, GCP, or Azure), ensuring high reliability and responsiveness of full-stack applications.

Career Timeline

February 2024 – Present	April 2023 – February 2024	February 2020 – March 2023	November 2017 – March 2019	March 2017 – November 2017
EncureIT Systems	A2Digi Solution	Euphoria Technologies	Adarsh Accommodation Pvt Ltd	Dhrubsoft Technology
Application Developer	*Senior Web Developer*	*WordPress Developer*	*Website Manager*	*Internship*

Work Experience

EncureIT Systems
Application Developer   February 2024 - October 2025

- Spearheaded the full-cycle development of a live Inventory Management System (IMS) utilizing Python (FastAPI/Django) for backend and React.js for frontend, ensuring a smooth, responsive, and user-friendly interface.

- **Languages Known:** English, Hindi, Marathi

- Collaborated with cross-functional teams to gather functional requirements and translate them into scalable technical solutions, streamlining operations such as stock control, order tracking, and supplier management.

- Implemented RESTful APIs in Python to manage real-time communication between frontend and backend, ensuring secure and efficient data transfer across modules.

- Optimized MySQL database schema for inventory, purchase, and sales data, improving query performance and maintaining data integrity under high transaction loads.

- Conducted thorough testing and debugging across multiple modules using tools like Postman and PyTest, ensuring high system reliability and user satisfaction.

- Applied best practices in coding and design, focusing on scalability, maintainability, and adherence to modern development standards for a production-grade IMS solution.

Achievements:
- Successfully developed and deployed multiple full-stack web applications, including a live Inventory Management System (IMS) built with Python (FastAPI), React.js, and MySQL, resulting in a 70% improvement in client operational efficiency through automation and real-time data tracking.

- Optimized backend queries and React.js components, achieving a 99% reduction in page load time and significantly enhancing user engagement, responsiveness, and overall system performance.

- Implemented RESTful APIs and database indexing strategies that streamlined data synchronization, reducing API latency and improving dashboard load speeds.

- Integrated advanced caching and code-splitting techniques, boosting system scalability and maintaining consistent performance even under heavy traffic.

A2Digi Tech
Senior Web Developer   April 2023 - January 2024

- Developed and maintained multiple full-stack web applications using Python (FastAPI/Django) for backend development and React.js for frontend interfaces, delivering high-performance and scalable solutions.
- Designed and integrated RESTful APIs to enable seamless communication between frontend and backend systems, ensuring smooth data flow and consistent user experience across all platforms.
- Collaborated closely with clients and internal teams to gather requirements, design technical architecture, and translate business objectives into efficient, production-ready applications.
- Reviewed and optimized code, ensuring best practices in security, scalability, and maintainability, while mentoring junior developers to enhance their technical growth and coding standards.
- Managed project sprints, timelines, and deliverables, coordinating deployments and ensuring successful delivery of features within deadlines.

Achievements:
- Successfully led the development of a live Inventory & Analytics System, contributing to an 80% increase in operational accuracy and reporting efficiency through automation and optimized workflows.
- Delivered multiple Python-React integrations that improved real-time data handling, reducing response time by 90% and boosting user engagement.
- Built and deployed reusable REST API components and React modules, reducing future project setup time by 40% across multiple client projects

Euphoria Technologies
WordPress Developer   February 2020 - March 2023
- Engaged with clients to analyze, document, and define web design, automation, and backend integration requirements, ensuring all specifications were accurately captured and aligned with business objectives.

- Developed and customized WordPress themes and plugins using PHP, JavaScript, and Python integrations, delivering visually appealing, high-performance websites tailored to specific client needs.
- Engineered automation workflows using Automation Anywhere 360 and Python scripts to handle FedEx return and refund operations, automating data extraction, validation, and submission processes.
- Integrated RESTful APIs to enable secure communication between WordPress, external services, and automation bots, streamlining backend data flow and reducing manual intervention.
- Optimized server and database performance (MySQL, cPanel, Nginx) for high-traffic websites, ensuring uptime reliability and faster response times.
- Conducted testing and performance audits, troubleshooting issues across website and automation environments to ensure smooth operation post-deployment.
- Provided client training on WordPress and automation systems, empowering non-technical users to efficiently manage their workflows and sites.
- Collaborated with marketing and analytics teams to implement SEO strategies, resulting in measurable performance improvements across live client platforms.

Achievements:
- Developed and deployed a FedEx Refund Automation Bot using Python + Automation Anywhere 360, reducing refund processing time by 95% and minimizing manual errors.
- Delivered 150+ fully functional WordPress websites, each optimized for SEO, performance, and client-specific functionality.
- Created a reusable Python API connector to automate report generation and status tracking for refund requests, improving transparency and efficiency.
- Achieved a 70% increase in client inquiries through innovative WordPress theme development and improved user experience.
- Boosted client website traffic by 100% via SEO best practices and performance optimizations.

Adarsh Accommodation Pvt Ltd
Python & Reactjs Web Manager   November 2017 – March 2019
- Managed and maintained the company's main web platform, built with Python (Flask/Django) for backend logic and React.js for the frontend, ensuring continuous functionality and minimal downtime.
- Developed and integrated dynamic booking and inquiry modules using Python APIs and React forms, improving user engagement and automating lead management.
- Implemented SEO best practices and metadata automation via backend scripts, resulting in improved organic traffic and search engine visibility.
- Collaborated with marketing and sales teams to design interactive, data-driven pages in React, aligning website content and user experience with ongoing campaigns.
- Monitored and analyzed performance using Google Analytics, Search Console, and custom Python scripts for traffic insights and behavioral tracking.
- Optimized server configurations (Nginx, MySQL) and deployed continuous integration pipelines to maintain performance and reduce downtime.

Achievements:
- Reduced website downtime by 80% through backend optimization, caching strategies, and automated server health checks using Python scripts.
- Boosted direct inquiries by 60% in six months by improving UX, adding interactive React components, and automating inquiry handling.
- Enhanced site performance by 75%, optimizing Python API responses and React rendering for faster load times.
- Improved SEO ranking across key property-related keywords, increasing organic reach and conversion rates.

Dhrubsoft Technology
Intern – Web Development   March 2017 – November 2017
- Assisted in the development and maintenance of the company's main web platform using Python (Flask/Django) for backend logic and React.js for the frontend interface.
- Contributed to building and integrating dynamic booking and inquiry forms with Python REST APIs and React components, enhancing lead generation and customer experience.
- Implemented on-page SEO strategies using Python-based automation scripts and metadata management tools to improve organic visibility.
- Worked closely with the marketing and sales teams to update promotional pages and ensure consistent branding across all digital platforms.
- Monitored site performance and user analytics through Google Analytics, Search Console, and Python scripts for traffic and conversion tracking.
- Optimized deployment pipelines and performed server maintenance using basic Linux, Nginx, and MySQL operations to ensure uptime and stability.

Achievements:
- Reduced website downtime by 80% by automating health checks and optimizing backend configurations using Python utilities.
- Improved inquiry conversion rate by 60% through React-driven form enhancements and a streamlined lead capture process.
- Enhanced page load speed by 70% by optimizing React components and implementing lazy loading and API caching.
- Gained hands-on experience with full-stack technologies, including RESTful API integration, frontend optimization, and database performance tuning

💼 Project Undertaken

CMS

National Centre of financial education website launched with data statistics ncfe.org.in, thgservices.com.au, impresifyworld.com, uat.araiindia.com

Inventory Management System (IMS)

Tech Stack: Python (FastAPI), React.js, MySQL, REST API, Nginx

Description:

Developed a full-stack Inventory Management System to automate stock tracking, supplier management, and purchase order workflows. The system provided real-time inventory updates and role-based dashboards.

Key Highlights:

- Designed REST APIs in Python for CRUD operations, authentication, and analytics.
- Built a dynamic React.js dashboard with charts and filters for quick insights.
- Implemented MySQL indexing for faster queries and optimized database performance.
- Achieved a **70% improvement in operational efficiency** by replacing manual tracking with automated workflows.

AI-Powered Social Media Automation Bot

Tech Stack: Python (OpenAI API, Selenium, Requests), React.js, MongoDB

Description:

Created an AI-driven automation system to schedule, generate, and post social media content across multiple platforms like LinkedIn, Facebook, and Instagram.

Key Highlights:

- Integrated **OpenAI's GPT model** to auto-generate captions, hashtags, and post summaries.
- Automated posting using Selenium and API-based schedulers for 24/7 activity.
- Built a React.js dashboard for managing content queues, post status, and analytics.
- Reduced manual content handling time by **90%**, improving engagement consistency and client productivity.

QR-Based Payment and Refund Automation System

Tech Stack: Python (Flask), React.js, MySQL, Razorpay API, Automation Anywhere 360

Description:

Developed an automated payment and refund processing system using **QR code payments** integrated with **Razorpay API** and **Automation Anywhere 360 bots** for transaction verification.

Key Highlights:

- Generated dynamic QR codes for customer payments linked to real-time order IDs.
- Built Python scripts to verify transactions and trigger automatic refunds when criteria matched.
- Implemented a React.js-based admin panel to track payments, refunds, and transaction logs.
- Reduced refund processing time by **95%** and eliminated manual financial reconciliation errors.

Custom CMS & Analytics Dashboard (NCFE Project)

Tech Stack: WordPress (PHP), Python, React.js, MySQL

Description:

Developed a centralized **Content Management System (CMS)** for **National Centre of Financial Education (NCFE)**, enabling dynamic data visualization and multi-site management for ncfe.org.in and partner portals.

Key Highlights:

- Integrated custom Python APIs for pulling real-time financial data statistics.
- Developed a React.js analytics dashboard displaying metrics for user engagement and performance.
- Enhanced security and scalability using role-based access and database optimization.
- Successfully launched multiple sites including **ncfe.org.in**, **thgservices.com.au**, and **impresifyworld.com** with 99.9% uptime.