

PROFESSIONAL SUMMARY

Senior PHP Developer with 14+ years of experience building scalable, high-performance web applications and backend systems. Strong expertise in **PHP, MySQL, and JavaScript (jQuery)**, with a focus on **API development, system architecture, and performance optimization**.

Experienced across the full development lifecycle—from requirement analysis and system design to deployment and long-term maintenance. Regularly work on automation, data-driven workflows, and integrating modern AI capabilities using tools like **Claude Code, Codex, OpenAI APIs, and LLM frameworks**.

Known for writing clean, maintainable code, improving system efficiency, and solving practical business problems through reliable and scalable technical solutions.

TECHNICAL SUMMARY

- **14+ years of hands-on experience** in full-stack web development with strong backend expertise.
- Proficient in **PHP development** using **Laravel, CodeIgniter**, and custom-built frameworks.
- Skilled in **WordPress** development, including theme/plugin customization, site maintenance, and **security/hacked site recovery**.
- Deep understanding of **MySQL** database design and optimization — including **Stored Procedures, Triggers, and Functions**.
- Expertise in writing optimized SQL queries for high-performance data handling.
- Experienced in **AJAX, Object-Oriented JavaScript, JSON**, and cross-browser compatibility.
- Proficient with **Git** for version control and **Jenkins** for CI/CD automation.
- Advanced user of **Debian-based Linux distributions** (e.g., Linux Mint XFCE); Linux is used as the **primary development OS**.
- Capable of setting up and managing **production servers** on **AWS, DigitalOcean, and Vultr** with full **LAMP stack deployment**.
- Comfortable with **server hardening, SSL setup, and SSH-based server management**.
- Familiar with modern **AI toolchains**, including **LangchainJS, OpenAI API, Antigravity, OpenClaw, Ollama, and LlamaIndex** for smart integrations.

KEY STRENGTHS

- Quick learner with the ability to grasp new technologies and frameworks efficiently
- Strong analytical and logical reasoning skills, with a problem-solving mindset
- Experience in writing **modular, reusable, and secure code**, following modern **cryptographic standards**

- Skilled in developing and implementing **core backend functionalities**, as well as **internal support tools**
- Capable of understanding business logic and transforming **functional requirements into technical solutions**
- Hands-on experience with **CMS-based frontend development** and dynamic content integration
- Proficient in **integration testing, debugging, and code reviews** as part of an iterative development process

PROFESSIONAL QUALIFICATIONS

Certifications

- **Advanced Web Development (PHP):** *National Institute of Software and Technology* — 1-Year Training in Advanced Web Technologies
- **Computer Hardware & Basic Software Certification:** *HASUS Institute* — Completed foundational training in computer hardware and software (2005–2007)

Technical Skills

- **Operating Systems:** Proficient in **Linux-based distributions** (Debian, Linux Mint, Ubuntu, OpenSUSE, CentOS) and **Windows** (XP, 7, 10, 11)
- **Dev Tools & IDEs:** Experienced with **PhpStorm, PyCharm, WebStorm, VSCode, NetBeans, Sublime Text, Notepad++, Gedit, Nano**

Server & Deployment:

- Proficient in setting up and managing **LAMP/LEMP stacks** on VPS (e.g. AWS EC2, DigitalOcean, Vultr)
- Familiar with **WHM/cPanel, WAMP, XAMPP, MAMP**, and **custom module-based local server setups**
- Strong knowledge of **SSH, SFTP**, and secure deployment protocols
- Able to create and deploy live production environments with proper **server hardening, SSL, and CI/CD pipelines**
- **Cloud & Services:** Familiar with **AWS architecture** – EC2, S3, SES, Lambda; comfortable with deployment on **VPS** and cloud platforms

Productivity & Scripting:

- Microsoft Word, Excel, Google Sheets (including API integration)
- Typing speed: 40+ WPM
- Proficient in **advanced internet research** and **deep web navigation** when required for development/security purposes
- **Version Control & Collaboration:** Comfortable with **Git, GitHub, GitLab**, and team collaboration workflows

PROFESSIONAL EXPERIENCE

NetTrackers, Kolkata — 2014–Present as Senior PHP Developer

- Leading development and maintenance of custom PHP applications using **CodeIgniter**, **Laravel**, and **MySQL**
- Managing full-stack development for client-facing and internal tools, including frontend enhancements using **jQuery**, **AJAX**, and **HTML/CSS**
- Building and consuming RESTful APIs for third-party integrations (payment gateways, streaming APIs, Google APIs)
- Overseeing deployment to production servers on **AWS**, **DigitalOcean**, and **VPS environments** with proper **Linux hardening and SSL**
- Mentoring junior developers, performing code reviews, and ensuring best practices in security and performance optimization
- Integrating modern **AI tools** like **LangchainJS**, **OpenAI API**, and **LlamaIndex** to enhance automation and intelligence in projects

Techbridge, Kolkata — 2013–2014 as Web Developer

- Developed web applications using **custom PHP** and **MySQL**
- Maintained and debugged existing client websites and internal tools
- Collaborated closely with designers and project managers to deliver responsive, SEO-optimized websites
- Assisted in WordPress customization for small business clients

Independent / Startup Collaboration — 2011–2013 as Freelance Web Developer / Startup Projects

- Worked with local clients and a startup team to build dynamic websites using **PHP**, **MySQL**, and **JavaScript**
- Handled end-to-end development including UI implementation, database structuring, and server configuration
- Specialized in WordPress custom themes and plugin development, along with website recovery from malware attacks

Online Radio Streaming Platform — Ongoing as Technical Support (Weekend Role)

- Providing backend support, script maintenance, and occasional feature updates for a web-based radio streaming service
- Ensuring uptime, stream integration, and basic infrastructure support

EXPERIENCE ON WEB DEVELOPMENT

ENTERPRISE NORTHERN IRELAND

- **Client:** Northern Ireland Govt via NetTrackers
- **Role:** Lead Developer
- **Team Size:** 12
- **Tech Stack:** Laravel, PHP, MySQL, jQuery, Bash, PGVector (AI recommendation engine)
- **Environment:** AWS EC2, SES, SNS, Lambda, Cloudwatch, S3
- **Tools Used:** OpenAI, PhpStorm, Git, Jenkins
- **Summary:** A business networking platform that enables users to offer or receive support through tools such as appointments, events, opportunities, guides, and more.

R2P DENMARK GOVT BUS TRACKING APPLICATION

- **Client:** Denmark Govt via NetTrackers
- **Role:** Senior PHP Developer
- **Team Size:** 100+
- **Tech Stack:** Laravel, PHP, MySQL, jQuery, Bash, Python, Elastic search, Twilio
- **Environment:** AWS EC2, SES, SNS, Self hosted VPS
- **Tools Used:** PhpStorm, Git, Bus Indoor Unit (VTC).
- **Summary:** System designed to collect real-time data from onboard bus units—including speed, braking patterns, passenger count, and stop durations—and transmit it to the R2P server. It also integrates with Movia and a map tile server to handle dynamic rerouting requests during live operations.

DEAL84 ECOMMERCE (SaaS)

- **Client:** Self
- **Role:** Lead Developer, DevOps
- **Team Size:** 3
- **Tech Stack:** Custom Codeigniter, HTML5, jQuery, PHP, MySQL
- **Environment:** SES, S3, DigitalOcean VPS, Let's Encrypt SSL, Cloudflare
- **Tools Used:** OpenAI, PhpStorm, Git
- **Summary:** Users can rent an e-commerce site, maintenance and continuous development is available for lifetime. This includes a free price tracking (Amazon, Flipkart, AJio) tool.

DRIVEBIRD

- **Client:** Self
- **Role:** All
- **Team Size:** 1
- **Tech Stack:** Custom Codeigniter, HTML5, jQuery, PHP, MySQL
- **Environment:** SES, S3, Opcache, Let's Encrypt SSL, Cloudflare, DigitalOcean VPS
- **Tools Used:** OpenAI, PhpStorm, Git
- **Summary:** Multiple tools to be useful in daily life.

OTHERS (Security | Utilities | Audio | Tourism | Matrimony | Art)

- **SQL Injection, Cross-Site Scripting (XSS), file upload exploits, and brute-force login attempts.** Leveraged tools like **OWASP ZAP** and deep manual code review to detect and neutralize encrypted malware, obfuscated payloads, and backdoors. Gained hands-on expertise in **malware forensics**, learned attacker techniques, and developed robust preventive measures to harden server environments and application code.
- Several hacked websites restored WordPress included with the help of OWASP ZAP and other plugin or tools.
- **Issue tracking** application
- **Sound mastering** application for a Brazilian client where users can upload audio files, and mention the time range to be fixed by application admin/staff.
- **Couchsurfing** application for a Bangkok client by PHP, JavaScript, jQuery, AJAX, Google Maps API, MySQL. This enables users to connect, host, and stay with fellow travelers.
- **Chat with Whatsapp** using **NodeJs** and **puppeteer**. Also connected with a webhook for automatic answers. AI can be integrated here.
- Matrimony sites where **AI** is involved to get best **recommendations**.
- Wall art customization tool using simple PHP, JavaScript, AJAX, HTML5 Canvas, MySQL. Users can preview, customize and checkout through PayPal.
- Support for **MERCEDES BENZ**. by the **Yii** framework.
- Online radio streaming application using **CentovaCast**.

ADDITIONAL SKILLS & LEARNING AREAS

- Actively experimenting with **AI-powered code assistant agents** such as **Gemini CLI, Ollama, and ChatGPT** for workflow enhancement and rapid prototyping
- Creating a **Personal AI assistant** with Python and **LlamaIndex** with the help of **OpenRouter AI Models**.
- Exploring **Python-based web development** for automation, API design, and backend services
- Hands-on familiarity with the **ELK Stack (Elasticsearch, Logstash, Kibana)** for logging and search optimization
- Practicing **web application security testing** using tools from **Kali Linux** (e.g., Burp Suite, SQLMap)

TECHNICAL SUMMARY

Experience:

Active in web development since 2011, including **corporate, freelance, and personal projects**, with a strong understanding of **web security vulnerabilities** and best practices

Version Control:

- Proficient with **Git**; experienced in collaborative workflows using **GitHub**, **GitLab**, and **Bitbucket**

Server & Hosting:

- Skilled in handling **Linux-based VPS environments** via SSH, including setup and management of **LAMP/LEMP stacks**
- Experienced in using **cPanel**, **WHM**, **DNS management**, **email server hardening**, and **spam prevention**
- Familiar with **CDN** and **DNS** optimization via **Cloudflare**, **MaxCDN**

Cloud & DevOps Tools:

- Worked with platforms and services like **Amazon AWS** (EC2, SES, S3, Lambda), **DigitalOcean API**, **Atlassian JIRA**

Languages & Technologies:

- Frontend: HTML, CSS, JavaScript, jQuery, AJAX
- Backend: PHP, MySQL, Python (basic), Shell/Bash, NodeJS
- CMS: WordPress (themes, plugins, security fixes)

Frameworks:

Laravel, CodeIgniter, Yii

Search & Caching Tools:

Elasticsearch, Logstash, Kibana (ELK Stack), Redis

Automation & Scripting:

Node.js, Puppeteer, Web scraping, WhatsApp bots, price tracking tools, IBM Watson API integration

NoSQL / Realtime DB:

Google Firebase (with PHP)

EXPERIMENTAL ACHIEVEMENTS & PERSONAL INNOVATIONS

- **Google Sheets as a Scalable Database (via PHP):** Built a successful integration where PHP acts as a bridge to read/write structured data from Google Sheets—ideal for lightweight, real-time dashboards and backups.
- **Custom Website Indexing Engine:** Developed a script to index and cache large websites for faster internal search capability.
- **Lightweight PHP Queue Manager:** Engineered a queue management system in PHP that processes background tasks efficiently with minimal resource usage.
- **Android Optimization via Shell Script:** Created a shell script for personal Android device maintenance—removes junk files, disables ads, and improves responsiveness.
- **Voice-Controlled IoT Home Automation:** Designed and tested a functional voice-enabled IoT system to control home appliances through digital switches.
- **Security Research Enthusiast:** Frequently explore and analyze new web application security features, vulnerabilities, and exploit patterns to improve my own deployments.

- **Advanced Internet Research:** Capable of deep internet exploration to extract hard-to-find technical data and toolkits.
- **Personal Interests:** Passionate about science fiction cinema and trance/electronic music, often integrating ideas into tech experimentation.

FREELANCE

Interested: Yes — Open to quality-focused freelance projects

Ideal Projects:

- Challenging and technically engaging
- Projects where **code quality**, **security**, and **scalability** are critical

Payments Accepted:

- PayPal
- Direct Bank Transfer (IN/International)

Working Style:

- **Development Approach:** Agile methodology (standard sprint or task-based flow)
- **Task Management:** Issue or ticket-based system (e.g., Jira, Trello, GitHub, GitLab Issues)
- **Progress Tracking:** All actions logged through the task system for transparency

Communication:

- Preferred: Issue system for task updates
- For discussion: Skype or Google Meet
- Optional: Email for formal exchanges

PERSONAL INFORMATION

- **Location:** Diamond Harbour, Kolkata, India
- **Date of Birth:** 14 February 1984
- **Nationality:** Indian

EDUCATION

- **Bachelor of Science (B.Sc.)** [Bangabasi College](#), Calcutta University — 2001–2004
- **Higher Secondary (10+2)** [M.K.K.G.C. Institute](#), West Bengal Council — 2001
- **Madhyamik (10th Standard)** [Moukhali Gopinathpur Gouravbala Vidyalaya](#), WBBSE — 1999

COMMUNICATION SKILLS

- **Bengali** – Native
- **Hindi** – Fluent

- **English** – Proficient