FARJAD AKBAR
Full Stack Engineer

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*Full Stack Engineer with strong expertise in designing scalable full-stack applications using **Laravel, NestJS, Vue.js, React, and cloud-native architectures**. Specialized in **AI-driven product development**, LLM integrations, and building **agentic and automation platforms** using OpenAI, Gemini, Bedrock, and RAG pipelines.*

SKILLS

Languages: *JavaScript (ES6+), PHP, Python*
Frameworks & Libraries: *Laravel, NestJS, Vue.js, Next.js, React, Storybook, Tailwind*
Databases: *PostgreSQL, MySQL, MongoDB*
DevOps & Cloud: *AWS (EC2, S3, Lambda), Docker, CI/CD (GitHub Actions), Redis, Nginx*
AI/ML & NLP: *OpenAI API, GPT fine-tuning, Prompt Engineering, RAG (Retrieval-Augmented Generation), Agentic Workflows*
Testing & Tools: *Postman, Git, Stripe API, Figma, Vite, Vitest, ESLint*

WORK EXPERIENCE

Botsify - Product Engineer
🗓 *Sep 2024 – Present*

- Worked mainly on the backend using **Laravel and PHP** for an AI automation platform.
- Built APIs and backend services to connect with different AI providers like **OpenAI, Gemini, OpenRouter, and AWS Bedrock**.
- Added MCP tools that allow users to create and run custom AI agents using prompts and workflows.
- Implemented real-time chat using **WebSockets** and streaming responses.
- Structured the backend in a way that made it easier to add new AI models and integrations later.
- Added unit and integration tests to reduce bugs and improve stability.
- Improved performance by fixing slow queries, optimizing background jobs, and adding caching where needed.
- Worked with product and team members to plan and build new AI features

Koderlabs - Software Engineer

🗎 *Sep 2022 – Aug 2024*

- Built and maintained multiple production-scale full-stack applications using Laravel, React, and Vue.js.
- Optimized high-volume database workflows processing **100K+ daily records**, reducing load time from **10s to 2.5s** through query refactoring and indexing strategies.
- Designed secure Stripe payment workflows including webhook orchestration and automated financial reconciliation.
- Led deployment automation, cloud infrastructure configuration, and production environment scaling.
- Improved system reliability by introducing structured logging, monitoring, and performance tuning

Darson - Fullstack Developer

🗎 *Mar 2022 – Aug 2022*

- Developed a **CRM platform** with advanced RBAC (Role-Based Access Control) for internal usage.
- Built task management, analytics dashboards, sales tracking, and Kanban workflow systems.
- Supported production deployments and server maintenance for enterprise clients.

Peace Technology - Php Developer

🗎 *Mar 2020 – Feb 2022*

- Designed scalable API infrastructure powering a marketplace ecosystem supporting vendors and customers.
- Developed **custom Elementor widgets** for enterprise client solutions.
- Built internal productivity tooling that improved cross-team task visibility and workflow efficiency.

PROJECTS

Botsify Agentic (agentic.botsify.com)

Built and structured a real-time AI agent platform with focus on scalability and flexibility.

- Designed real-time chat using WebSockets with streaming LLM responses for fast user interaction.
- Structured the system in separate layers (chat engine, tools, memory, workflows) so new features and integrations could be added easily.
- Built a modular agent configuration system supporting:
  - MCP tool integrations
  - File and web knowledge retrieval (RAG)
  - Workflow automation scripts
  - Version-based agent deployment
- Built a spreadsheet-like memory feature to fully replace Google Sheets MCP, reducing hallucinations and improving AI workflow reliability.
- Integrated Smithery (free) to connect **1,000+** MCPs with the platform, significantly **reducing costs** compared to Pipedream and Apify.
- Added default guardrails and allowed users to define custom rules to improve answer accuracy and protect sensitive data.
- Implemented white-label support including branding, testing environments, and safe production rollout.

Tech: Laravel, Vue.js, MySQL, NodeJs, Docker, Serverless functions, Digital Ocean

Realmex (realmex.io)

Built a high-performance marketplace platform with flexible design and scalable architecture.

- Developed integrated chat and listing systems to support smooth user interactions.
- Designed a hybrid metadata storage system inspired by WordPress, allowing flexible schema expansion for future features.
- Structured the backend and database to handle high load efficiently, optimizing queries and deployment pipelines.
- Containerized services and set up scalable deployment on AWS for reliability and easy maintenance.

Tech: Laravel, Vue.js, MySQL, Docker, AWS

Awards

1st Place, Web Design Competition – Won over 40 participants using HTML, CSS, and JavaScript (2020)
3rd Place, Database Design Competition (2022)

Education

Benazir Bhutto Shaheed University - BSIT

🗓 *April 2021 – Nov 2025*