

Job Post : Full Stack Developer (Next.js & FastAPI) for AI Collaboration Hub MVP

We are seeking a talented and experienced Full Stack Developer to build the core platform and user-facing features for the Minimal Viable Product (MVP) of our AI Collaboration Hub. You will be responsible for developing robust backend APIs and a dynamic frontend. You will work closely with our technical lead, and AI Engineer to bring the platform's vision to life, focusing on authentication, workspace/project management, real-time collaboration, and the integration of AI analysis results.

Key Responsibilities

- Design and develop responsive, intuitive user interfaces using (Not compulsory: Next.js, TypeScript, and TailwindCSS, including global navigation, workspace/project hubs, and task management boards).
- Implement secure and scalable microservice-based backend APIs using FastAPI for all platform functionalities (authentication, workspace, project, task, chat management).
- Develop and integrate real-time project chat and task updates using WebSockets.
- Implement robust user authentication (email/password signup & login, forgot password) and basic Role-Based Access Control (Super User, Member) for workspaces and projects.
- Build and manage the core data models and database interactions using PostgreSQL and Redis.
- Create mechanisms for users to upload or link deliverables for tasks, ensuring secure storage and efficient handoff to the AI Analyzer.
- Display AI Analyzer verdicts, scores, suggestions, and rationales clearly within task details and project dashboards.
- Develop essential analytics dashboards, including sprint progress visualizations and basic AI vs. Human pass rates.
- Implement basic integration for linking external resources, such as GitHub repository URLs and documentation links within projects.
- Participate actively in Agile sprints, contribute to API design discussions, and attend weekly progress demos.

Technical Stack (Core Technologies)

- Frontend: Next.js, TypeScript, TailwindCSS, shadcn/ui
- Backend: FastAPI (Python)
- Database Layer: PostgreSQL, Redis (for sessions, caching, and basic job queuing)
- Event Queue: Redis (for asynchronous task processing, coordinating with AI services)
- Deployment: Docker, AWS or GCP (EKS / ECS), GitHub Actions CI/CD
- Security: TLS 1.3, Basic Role-Based Access Control (RBAC)

Key Deliverables (~2-3 Months)

- User Authentication & Accounts: Secure email/password login, registration, and password reset.
- Homepage & Global Navigation: Intuitive user interface for accessing and managing workspaces.
- Workspace Management: Ability to create, join, and manage workspaces with basic roles (Super User, Member).
- Project Lifecycle: Project creation, a comprehensive project hub, and invitation of collaborators.
- Task & Sprint Management: Tools for creating project plans, sprints, tasks, assigning them to users or "AI Agent" placeholders, and tracking status (Kanban board).
- Project Chat & Notifications: Real-time project-specific chat with attachments and in-app notifications.
- Document Submission Interface: User interface for uploading or linking deliverables to tasks.
- Integration & Display of AI Analysis: Seamless display of AI Analyzer verdicts, scores, suggestions, and confidence within the task details.
- Project Dashboard: Visual progress tracking for sprints, AI vs. Human pass rates, and recent activity feed.

Expected Outcomes

By the end of this initial MVP phase, you will have built the foundational collaborative platform that empowers users to manage projects, sprints, and tasks efficiently. Your work will enable seamless human-AI interaction, establishing a strong user experience and technical groundwork for future enhancements.

Required Skills

- Python
- Strong Full stack System Pipeline
- PostgreSQL
- FastAPI
- Websockets
- Next.js
- Redis
- LLM Integration (e.g., GCP, AWS)
- Git and GitHub
- Production Level Software Knowledge

Project Scope & Duration

- Scope: Medium
- Duration: 2 to 3 months
- Level: Expert

Job Post: AI Engineer (Multi-Agent System & LLM Integration) for AI Collaboration Hub MVP - Iteration 1

We are seeking a talented **AI Engineer** to lead the development of intelligent agent systems and LLM integrations for the first version of our upcoming AI-driven collaboration platform.

You'll design the backend intelligence layer — building the foundation that powers task understanding, automation, and intelligent suggestions.

Key Responsibilities

- Design and implement the core AI service architecture for multi-agent workflows.
- Integrate and manage multiple LLM APIs (e.g., OpenAI, Anthropic, Hugging Face) through unified abstraction layers.
- Develop AI logic for prompt-to-plan generation and intelligent task suggestions.
- Ensure scalable, resilient, and efficient performance of all AI components.
- Handle error management, fallback logic, and API reliability.
- Collaborate closely with full stack developers to connect AI functions with the platform's backend and frontend.

Technical Stack

- Backend: Python, FastAPI
- Databases: PostgreSQL, Redis
- AI Layer: OpenAI API, Anthropic API, Hugging Face Models
- Infrastructure: Docker, AWS/GCP, GitHub Actions (CI/CD)
- Workflow: Agile / Sprint-based development

Requirements

- Proficiency in Python and FastAPI
- Experience integrating LLMs and handling AI workflows
- Strong understanding of API design and asynchronous processing
- Familiarity with Redis and PostgreSQL
- Ability to write modular, production-grade code
- Knowledge of multi-agent systems or orchestration frameworks is a plus

Preferred Skills

- Prompt engineering and AI context management
- Error handling and fault-tolerant API design
- Understanding of AI-powered task automation or workflow logic

Project Details

- Scope: MVP Build (Foundational Phase)
- Duration: 2–3 months
- Commitment: Full-time or dedicated contract
- Level: Intermediate to Advanced