Aroona Vikram

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PROFESSIONAL EXPERIENCE

Associate Software Engineer — Grayhat
Sep 2024 – Jul 2025

- Implemented new features and UI components based on design specs, maintaining a clean and consistent codebase.
- Integrated RESTful APIs using Axios and RTK Query, enabling smooth data flow between frontend and backend services.
- Collaborated with backend teams to ensure frontend compatibility with APIs documented via Swagger/OpenAPI.
- Fixed bugs and debugged UI and integration issues to maintain a high-quality user experience.
- Conducted manual and developer testing to validate feature functionality before QA handoff.
- Participated in sprint planning and regular feedback sessions with clients to align deliverables with expectations.

Web Development Intern — Grayhat
Jul 2024 – Aug 2024

- Developed custom UI features, interactive components, and dynamic forms using React and Material Web Components, improving usability and user engagement.
- Built and maintained reusable components such as BottomSheet and Accordion to extend the company's internal React UI library.
- Designed and implemented a visually engaging Tech Radar page for the company's landing site, enhancing transparency of internal tooling and technology adoption.
- Contributed to four agile sprints in a client-facing environment, handling UI implementation, performance optimization, and frontend routing.

FINAL YEAR PROJECT

WorkStack - AI Powered Open-Source Work Tooling Ecosystem
2024-2025 | Partnered With Grayhat

Solo capstone integrating task, doc, chat, and identity tools for enhanced team workflows.
- **Engineered** real-time interoperability across Plane (task), Outline (docs), and Discord (chat) using REST APIs and webhooks → enabled seamless cross-tool coordination.
- **Researched & recommended** Authentik (open-source identity provider); evaluated IAM capabilities and advocated its adoption → centralized RBAC and improved platform security.
- **Developed** two AI agents with the MCP framework to support contextual task and doc queries → boosted user efficiency in retrieving relevant information.
- **Deployed** a live PoC; led UAT and integration testing with 5 pilot users → achieved 85% satisfaction and validated end-to-end functionality.
- **Executed in three phases:**
  1. *Superficial Syncing* – Real-time tool interoperability.
  2. *Identity Management* – Unified RBAC via Authentik.
  3. *AI Integration* – Embedded agents for contextual queries.

SKILLS

Technical Skills
- **Frontend:** React.js, Next.js, TypeScript, JavaScript, Python, HTML, CSS, Material UI, Tailwind CSS, Redux Toolkit, Bootstrap, Shadcn/ui
- **Backend:** Node.js, Express.js, Firebase, MongoDB, OpenAPI, Swagger
- **Other Tools:** Git, GitHub, Docker, Postman, n8n, Authentik, Discord Bots
- **Methodologies:** Agile Scrum, Unit Testing, Integration Testing
- **Soft Skills:** Communication, Problem Solving, Critical Thinking, Team Collaboration

EDUCATION

BS-Computer Science | CGPA: 3.4/4   2021 – 2025 | Karachi, Pakistan
Muhammad Ali Jinnah University(MAJU)
Coursework: Generative AI, Artificial Intelligence, Web Development, Statistics, DevOps, Cloud Computing