Suparth Narayan Ghimire

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GitHub | **Website** | **Linkedin**

Software Engineer with over 4+ years of experience designing, developing, and delivering high-quality products from concept to production efficiently.

PROFESSIONAL EXPERIENCE

Naamche   **Kathmandu, Nepal**
Acquired by ReAlpha Corp (listed in Nasdaq as $AIRE)   *Feb 2024–Present*
Software Engineer (Level 2)

- **AiChat** (https://www.aichat.com)
  - Developing an **LLM** powered chatbot that leverages cutting edge **AI** technology with configurable **RAG modules.**
  - Designed and implemented a **multi-tenant B2B SAAS** platform from the ground up, enabling businesses to onboard and configure the chatbot seamlessly. The platform features configurable **RAG modules**, third-party integrations such as **WhatsApp**, customizable workflows for customer lead generation, and advanced task automation powered by LLMs.
  - Tools used: **OpenAI API, Deepgram, Heygen, Python, Pydantic, NestJS, NextJS, Tailwind, Turbopack, PostgreSQL, AWS, Git/Github**
- **reAlpha** (https://realpha.com)
  - Developed a client application for **real estate AI Agent** "**Claire**" for **ReAlpha Corp** (listed in Nasdaq) empowering homebuyers in the **USA** to purchase properties without buyer commission.
  - Developed **GENA** (https://gena.realpha.com/), a marketing suite that equips property sellers in the **USA** with **AI**-generated descriptions, images, and videos for property promotion.
  - Tools Used: **Tailwind, Shadcn, NextJS, Cognito, AWS, Git/Github**
- **Others**
  - Mentored interns and trainees throughout the project lifecycle, providing guidance that cultivated essential practical skills
  - Developed inhouse automation tools such as **Slack Notification** for **Release Notes Summary via LLMs** for quality of life of employees

Swivt Technologies,   **Hong Kong, Central**
Software Engineer   *Mar 2023–Feb, 2024*

- Developed a responsive Metaverse UI in **Next.js** and API in **Express JS** using **Typescript,** managing both frontend and backend tasks, including authentication, authorization, room management etc with **SQLite** and **Postgres**.
- Implemented an **AI** driven insurance CRM in **Next.js / TypeScript (frontend)** and **Express / TypeScript (backend)**, utilizing **MongoDB** for efficient data storage.
- Applied multi-threading in **Node.js** for CPU-intensive tasks such as **video processing** and **file conversion**, leveraging databases like **SQLite**, **Postgres**, and **MongoDB** to meet diverse data processing needs.

- Demonstrated proficiency in cloud platforms **(Azure, Google Cloud, AWS)**, encompassing VM management, **Docker** containerization, and **Nginx** reverse proxy configuration.
- Worked in **Agile** methodology throughout all projects, following proper **Scrum** practices.

The Wadi Tribe   **Kathmandu, Nepal**
Full stack   *Jul 2022–Feb 2023*

- Managed a team of 4 developers along with creating a **Full Stack Application** along with a mobile application in **Flutter** with **Augmented Reality** features.
- Implemented fully featured **REST API** in **Microservice Architecture** with **CRUD**, **Authentication and Authorization** in **Node JS** using **TypeScript** and **MySQL** with **Prisma ORM**
- Created Robust Admin Panel to fulfill needs of current and future projects in Next JS using **TypeScript** with **TailwindCSS** and **MantineUI**. Created a generic form and table component to ensure the same design for both across all screens.
- Used **unity** to leverage **image recognition** capabilities in the real world to display objects on screen dynamically.

Aspark Systems   **Kathmandu, Nepal**
Full Stack   *Sept 2020–Jun 2022*

- Worked on a CMS for school management system using **Node JS and Express.** Created modules for each component, such as Student management, **Finance Management**, **Teacher Management**, **Assignment Tracking**, **Attendance Management**, **Review Management,** etc.
- Created Design System for a Educational Platform using custom CSS designs and React Bootstrap
- Integrated Existing REST API to design components
- Created Multiple Reusable Components in the Application along with using preexisting templates.

SKILLS

LLMs, RAG Models, MCP Servers/Clients, Python, NodeJS, Typescript, Redis, Cloudflare, React, NextJS, Git/Github, MySQL, PostgreSQL, MongoDB, Firebase, AWS, Azure, Google Cloud, Web Sockets using Socket IO, NGINX, Docker, Linux (Ubuntu, Manjaro)

EDUCATION

Tribhuvan University   **Kathmandu, Nepal**
Bachelor of Science in Computer Science and Information Technology *(Distinction)*   *December 2023*