

## CAREER SUMMARY

- Over 1 year of experience in designing and developing scalable web applications, creating RESTful APIs, and managing databases, with a focus on delivering efficient, user-centric solutions and optimizing application performance.
- Skilled in various development stacks and always learning something new.
- Proficient in working within cloud environments, handling deployments, scalability, and maintenance. Skilled in integrating APIs, streamlining workflows, and collaborating across teams to deliver high-quality software solutions.

## TECHNICAL SKILLS

- **Frontend** - ReactJS, ReactNative, NextJS, Jest, Dashboards
- **Backend** - NodeJS, TypeScript, ExpressJS, Socket.io, Java, SpringBoot
- **Infra** - AWS (S3, EC2, Lambda), Vercel, GitHub Pages
- **Data** - NoSQL, MongoDB, Redis, Supabase, Firebase, Cloudflare (R2)
- **AI Tools** - ClaudeAI, LovableAI, bolt.new

## VISA & LANGUAGE

- **Language** - English (Fluent), Urdu (Native)
- **Location** - Bharakahu, Islamabad

## COURSES

- **Angela Yu Full-Stack Developer Course** (Udemy) - Completed in 2022
- **SMIT Full-Stack Development Course** - Completed in 2023
- **Agentic AI** (PIAIC) - Ongoing in 2024




## PROFESSIONAL EXPERIENCE

### TEKZEPHYRE.com - Consultancy Agency

Dallas, USA

Full-stack Software Engineer

2024.04 - present (1 year)

- Backend 
  - Azure Cloud-first features on Azure for an IoT project. Connect events with external CMS, SAP.
  - Using Azure ServiceBus to handle incoming events and process them on a NestJS backend.
  - DevOps tasks for monitoring and altering resources using Terraform.
  - Data migration, management of 3M+ users from US to EU servers to cater to GDPR legalities.
  - Receipt-scanner, NFC-based points collection system using NFC-enabled glasses. SAP Gigya.
  - Azure AI Search implementation with filter, semantic search, and weightage configuration.
- Frontend 
  - Next.js app. Third-party ads integration at 15+ slots. Push app updates on stores.
  - Notifications and tracking integration - CleverPush, HotJar, Tealium, Piano Analytics.
  - Accessibility - Comply website with Web Content Accessibility Guidelines (WCAG) 2.1 standards.
- Management/Product 
  - 8+ clients in the DACH region with technical feasibilities, timeline estimations, and implementations.
  - Training of junior developers & trainees. Technical documentation in written and drawing format.
  - Open-source: github.com/cotype/core.
- Tools: NodeJS, TypeScript, ReactJS, NextJS, Azure, AWS CDK, MUI, OpenAPI.



### design&desktop - Consultation - Study Abroad

Hamburg, Germany

Part-Time Web Application Consultant

2020.11 - present (3.5 years)

- Consulting, schema design, application design, automation scripts, backup strategy.
- Working closely with project stakeholders from other research institutes for joint research.
- Acting as project manager, overseeing cross-functional project teams e.g., UI/UX, development teams.

- ML/AI 
  - Data pipelines for full-text summarization & text-to-speech tasks. Weaviate + OpenAPI.
  - Developed and utilized RAG pipelines using vector databases using LangChain.
  - Status indicators to track progress and performance, for stakeholders to assess project health.
- Tools: ElasticSearch, Docker, HuggingFace, LangChain, IONOS, CERN-Invenio, Chroma DB.
- Links : [berd-nfdi.de](https://berd-nfdi.de), [coco-projekt.de](https://coco-projekt.de), [repod.zbw.eu](https://repod.zbw.eu).

## EDUCATION

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- **Intermediate in Computer Science (ICS)** - Punjab College of Commerce, 2023
- **Bachelor of Science in Computer Science (BS CS)** - SZABIST, Pursued in 2023