

Ahmed Rehan

Full-Stack Engineer | Devtools, Agent Systems, Automation, Webhooks & Performance-Conscious Products

Rawalpindi, Pakistan

admin@ar27111994.dev • ar27111994@gmail.com • (+92) 331-588-7235

GitHub: <https://github.com/ar27111994>

LinkedIn: <https://linkedin.com/in/ar27111994>

Upwork: <https://www.upwork.com/freelancers/~0188baee67e8f543e7>

SUMMARY

Product-minded full-stack engineer and solo builder focused on developer tools, workflow automation, agent systems, and performance-conscious software. Strong background in frontend architecture, interactive product engineering, and full-stack delivery across web, mobile, and API-driven systems. Increasingly focused on building practical tools around webhooks, AI-assisted development workflows, automation-heavy products, and reliable open-source software.

SELECTED PRODUCTS & OPEN-SOURCE WORK

Webhook Debugger and Logger

Built an enterprise-grade webhook testing suite for capturing, replaying, forwarding, validating, and mocking webhook traffic in real time.

agent-harness

Designed tooling and workflow infrastructure for discovery, installation, and activation across curated agent ecosystems and AI-assisted development workflows.

DataGuard

Built a data quality and ETL validation product for CSV, Excel, JSON, and related structured-data workflows.

InterActNote

Product concept and active development direction for an Android-first call-time context and relationship notes application.

Additional Open-Source / Freemium Work (from original resume.pdf)

- **Mosaico Codelgniter integration (WYSIWYG email template editor)** — [GitHub](#)
- **National Criminals Database (N-Layered WCF/MVC sample)** — [GitHub](#)
- **OpenBiz CRUD Scaffolding Templates** — [GitHub](#)
- **OpenBiz (Supply Chain Management System)** — [GitHub](#)
- **Bookstore (PHP + Admin panel)** — [GitHub](#)
- **Shopping Cart Library (used by hundreds on phpclasses.org)** — [GitHub](#)
- **OpenCart 3.x extension listing** — [OpenCart Marketplace](#)
- **OpenCart SMS/admin-email alert variant (legacy listing reference)** — [OpenCart Marketplace](#)

EXPERIENCE

Frontend Engineer — Eagle 6

Feb 2018 – Mar 2022

Worked on a cybersecurity product focused on securing large enterprises by detecting unknown vulnerabilities before they exposed systems to risk. Contributed to complex, workflow-heavy product modules in an Agile environment.

Key contributions: - Built and maintained complex enterprise product modules involving document workflows, file and folder management, permissions, large-file uploads, data visualization, and interactive system interfaces. - Implemented frontend for cloud storage and organization chart modeling modules of the company's flagship enterprise product. - Built file and folder management interfaces with role-based permissions, file preview/edit capabilities, and access controls based on file type and user permission. - Implemented plugin-based online editors for Microsoft Office-style document viewing/editing, comments, concurrent editing, PDF export, and permission-based content access. - Implemented chunked file and folder upload flows using the TUS protocol to support scalability and large uploads. - Architected data access and state management for an organization chart modeling module using Akita (Redux/Flux-based state management). - Built and maintained graphing and mapping interfaces for monitoring-related product modules using D3, Highcharts, Leaflet, and OSM. - Contributed across the product lifecycle from concept through deployment. - Reviewed code, supported frontend quality improvements, and participated in interviewing and hiring frontend developers.

Technologies used: Angular, TypeScript, Angular Material, RxJS, Akita, GoJS, D3, Highcharts, Leaflet, OSM, Jest, SCSS, BEM, TUS.

Full-Stack Freelance Contractor — Upwork / Independent Client Work

May 2017 – Feb 2018

Delivered independent full-stack projects across web and mobile, taking ownership from implementation through deployment while adapting to varied stacks, client constraints, and inherited codebases.

Key contributions: - Built and delivered solo projects for multiple clients across web and mobile in an efficient, client-facing freelance environment. - Implemented, maintained, and extended projects developed by other engineers, often stepping into existing codebases and stabilizing or expanding them. - Created fully featured mobile apps and supporting REST APIs/database backends using Ionic, Angular, PHP, MySQL, and Apache Cordova integrations. - Worked across frontend, backend, deployment, and debugging responsibilities depending on project needs. - Contributed bug fixes to open-source libraries in order to solve issues encountered in client projects. - Built and deployed backend systems using UNIX/Linux, Apache, Nginx, and related infrastructure. - Created a Microsoft Remote Desktop Services project with Citrix App Layering on Azure integration, learning and applying the required stack during delivery. - Spun out selected open-source projects from freelance work where client permission allowed it.

Technologies used: Angular, Ionic, TypeScript, JavaScript, jQuery, PHP, CodeIgniter, WordPress, OpenCart, C#, SQL Server, MySQL, Azure, Apache, Nginx, Linux, Cordova, Xamarin.

Founder / Owner — Goggle Hunt

May 2017 – Sep 2017

Started, operated, marketed, and sold a Shopify dropshipping store targeting U.S. and European markets around fashion and sports goggles.

Reference links: - Flippa exit listing: [flippa.com/9034806-your-one-stop-shop-for-fashion-and-sports-goggles](https://www.flippa.com/9034806-your-one-stop-shop-for-fashion-and-sports-goggles) - Gleam platform used for subscriber competitions: gleam.io

Key contributions: - Built and operated the business while also working as a freelance full-stack developer. - Managed product sourcing, store operations, and day-to-day execution. - Ran influencer outreach and giveaway campaigns to grow awareness. - Created and managed multiple social media accounts and built initial audience traction. - Collected approximately 150 email subscribers through competition-driven growth. - Set up Facebook Merchant integration and social commerce flows. - Sold the business on Flippa to focus more fully on software development.

PHP Developer — GMINNS

Jul 2015 – Apr 2016

Worked on customization of a school management system based on customer needs and contributed initial development for a Saudi football federation club management portal.

Web Developer — COMITS

Jul 2014 – Mar 2015

Built WordPress websites for local businesses and a local newspaper, and developed an e-commerce website in OpenCart.

TECHNICAL SKILLS

Primary Focus

- Developer tools
- Workflow automation
- Webhooks / APIs
- Agent systems / AI-assisted workflows
- Full-stack product engineering

Frontend

- TypeScript, Angular, React
- Interactive UI architecture
- State management and complex frontend workflows
- Design systems, maintainable frontend structure, performance-sensitive interfaces

Backend / Systems

- Node.js, ASP.NET Core, PHP
- API integrations, automation systems, structured-data workflows
- Reliability, debugging, maintainability, performance-conscious design

Data / Platforms / Delivery

- MySQL, SQL Server
- Docker, Azure, Linux-based deployments
- Git, Jira, Confluence, Trello, VS Code, WebStorm, Visual Studio

Additional Technologies Used Across Projects

- RxJS, Angular Material, Jest, SCSS, D3, Highcharts, GoJS, Leaflet, OSM
 - Codelgniter, WordPress, OpenCart, Cordova, Xamarin, Apache, Nginx
-

EDUCATION

M.C.S. — Master of Computer Science
Arid Agriculture University, Rawalpindi
Oct 2014 – Aug 2016

B.Sc. — Bachelor of Science (Computer, Statistics and Mathematics)
University of the Punjab
Sep 2012 – Jul 2014

CERTIFICATIONS / COURSEWORK (FROM ORIGINAL RESUME.PDF)

Coursera — Completed 12/05/2019 (Machine Learning Strategy & Error Analysis)

Certificate verification: coursera.org/account/accomplishments/verify/HQ3883739EQ7

Course syllabus included: - Understand how to diagnose errors in a machine learning system. - Prioritize the most promising directions for reducing error. - Handle complex ML settings such as mismatched training/test sets and human-level comparisons. - Apply end-to-end learning, transfer learning, and multi-task learning.

Coursera — Completed 07/04/2019 (Deep Learning Best Practices & Optimization)

Certificate verification: coursera.org/account/accomplishments/verify/U4QYCQLM9WUH

Course syllabus included: - Understand industry best-practices for building deep learning applications. - Apply neural network techniques including initialization, L2/dropout regularization, batch normalization, and gradient checking. - Implement and apply optimization algorithms such as mini-batch gradient descent, Momentum, RMSprop, and Adam.

Coursera — Completed 20/08/2018 (Deep Learning Foundations + TensorFlow)

Certificate verification: coursera.org/account/accomplishments/verify/TDDMYNV57A99

Course syllabus included: - Understand deep-learning-era best practices for train/dev/test setup and bias/variance analysis. - Implement a neural network in TensorFlow. - Understand major technology trends driving Deep Learning. - Build, train, and apply fully connected deep neural networks. - Implement efficient (vectorized) neural networks. - Understand key neural-network architecture parameters.

Coursera — Completed 29/10/2018 (Big Data Fundamentals & Hadoop)

Certificate verification: coursera.org/account/accomplishments/verify/HHVS4SJNXDR8

Course syllabus included: - Describe the Big Data landscape with real-world problem examples and core data sources (people, organizations, sensors). - Explain key Big Data dimensions (volume, velocity, variety, veracity, valence, value) and their impact on collection, storage, analysis, and reporting. - Structure analysis using a 5-step process for extracting value from Big Data. - Distinguish big-data vs non-big-data problems and reframe them as data-science questions. - Explain architecture components and programming models for scalable Big Data analysis. - Summarize core Hadoop stack components including YARN, HDFS, and MapReduce. - Install and run a program using Hadoop.

NOTES

This is the depth / credibility version. Confirm exact dates, titles, and company spellings before final export.