

HAMMAD UL-HAQ ABBASI

Software Architect

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SUMMARY

As a Software Architect with 14+ years of industry experience, I've worked for top-tier companies across the U.S., UK, and Australia. Specializing in designing and scaling AI-powered enterprise solutions and SaaS applications, I also excel in leading and mentoring cross-functional teams.

- **Led** cross-functional teams while actively contributing to hands-on development efforts.
- **Managed** end-to-end project and product lifecycles, including requirements gathering, technical design, development oversight, and successful deployment, ensuring alignment with business objectives and customer needs.
- **Design** and implemented high-level software architectures, providing developers with foundational frameworks, project guidelines, and core modules, promoting code reusability, scalability, and maintainability.
- **Conducted** comprehensive technical analysis, assessing project requirements, system constraints, and trade-offs to define optimal architectures and guide development teams in their implementation.
- **Collaborated** closely with stakeholders, including product managers, development teams, and business stakeholders, to define product roadmaps, prioritize features, and ensure seamless integration of architecture and product vision.
- **Founded** and launched startups, including WappGPT and FeedbackRig, taking the lead in ideation, market research, product development, and business strategy, resulting in successful market entry and growth.
- **Published** articles on Medium, sharing insights, best practices, and thought leadership in software architecture, product management, and entrepreneurship, attracting a wide readership and engaging with the tech community.
- **Managed** partner programs, establishing strategic alliances and integrations with key industry partners such as Trello, while ensuring compliance with regulatory frameworks such as GDPR and HIPAA for data privacy and security.
- **Implemented** robust web security measures, ensuring the confidentiality, integrity, and availability of web applications and systems.
- **Conducted** vulnerability assessments, implemented secure coding practices, and deployed measures such as encryption, access controls, and web application firewalls (WAFs) to mitigate security risks and protect against cyber threats.
- **Proficient** in a wide range of technologies and platforms, including C#, .NET (legacy: 2.0, 4.6 and latest versions: .NET Core, .NET 6/7 and .NET 8 Preview), Node.js NestJS, RushJS, AWS EC2, Lambda, S3, etc), and Azure Cloud Services Logic Apps, Azure SQL, etc).
- **Skilled** in designing serverless architectures, building micro-frontends using popular libraries React, Angular, etc.), and optimizing application performance through efficient memory management, parallel computing, and caching frameworks.
- **Experienced** in CI/CD tools Jenkins, Azure DevOps, etc.), messaging systems Apache Kafka, RabbitMQ, etc.), and leveraging Big Data analytics tools Azure Data Lake). Familiar with AI/ML technologies such as Tensor Flow and MS Cognitive Services for building AI/ML based applications.



FIND ME ONLINE

- 🌐 **Web**
<https://hammadabbasi.com/>
- in **LinkedIn**
<https://www.linkedin.com/in/hammadabbasi/>
- 🐱 **GitHub**
<https://github.com/csehammad>
- M **Medium**
<https://hammadulhaq.medium.com/>
- 📞 **WhatsApp**
<https://wa.me/923212947101>

LANGUAGES

English Proficient ●●●●●

EDUCATION

Computer Systems B.E

Mehran University

12/2004 - 12/2009

- Bachelor's degree in Computer Systems Engineering (B.E) with a major in AI, Big Data, and Computer Vision.

CERTIFICATION

Microsoft Certified Technology Specialist .net Framework 4.0

MCTS ID:8051976

PROJECTS HIGHLIGHT

E2E Fulfillment Platform

E2E platform enables retailers to integrate Point Pickup's in-store shopping, delivery, pickup, last mile delivery, and dispatch last mile delivery options into their own e-commerce platforms, offering customers a convenient and seamless grocery shopping and fulfillment experience.

EXPERIENCE

Founder/CTO

04/2023 - Present

WappGPT

United States

WappGPT revolutionizing productivity and creativity with AI-powered assistance on popular messaging platforms such as Whatsapp, SMS and Messenger.

- Built and launched WappGPT from ideation to implementation.
- Assembled and led a team of engineers, fostering innovation.
- Continuously iterated and scaled AI capabilities for enhancement.

<https://www.wappgpt.com/>

Lead Architect

02/2022 - 04/2023

Point Pickup Technologies

New York, U.S
(Remote)

PPUP provides last-mile delivery services for America's top retailers with complete control over their customers' experiences.

- Led a team of engineers to build, optimize and scale their last-mile delivery platform for clients like **Walmart, Kroger, Dollar General**.
- Implemented improvements to their existing platform and infrastructure - resulting in fulfillment of 250k orders per day becoming **1M+** orders per day.
- Revamped core microservices using the latest technologies, such as .NET7 and Azure PaaS services, which resulted in an increase in delivery rate from **92% to 97%**.
- Redesigned proximity search microservices (similar to Uber's Driver Search), which resulted in a reduction in cancellations from **11% to 4%**.
- Assisted the mobile team in optimizing the In-Store shopping flow and developing features such as Smart Push Notifications, In-App Chat in their E2E Fulfillment app.
- Worked directly with partners, including HyperTrack, OneSignal, Aerospike, and Confluent, to build and integrate services such as real-time location tracking, web/mobile push notifications, multi-model NoSQL databases, and messaging/stream processing.

<https://www.pointpickup.com/>

Co-Founder / CTO

03/2018 - 02/2022

FeedbackRig

United Kingdom

Revolutionizing customer insights through AI-driven feedback solutions.

- Founded FeedbackRig, an AI platform for measuring customer satisfaction.
- Orchestrated a cross-functional offshore engineering team to develop FeedbackRig.
- Defined comprehensive product scope, conducted competitor analysis, and architected core system structure.
- Automated critical processes including CI/CD, real-time traffic alerts, and in-app event triggers.
- Positioned FeedbackRig through strategic planning, forming vital partnerships, including integration with Trello.

<https://feedbackrig.com/>

Software Architect

04/2011 - 12/2021

Aspose

Sydney, Australia
(Remote)

The Aspose platform offers a low code File Format API which is being used by more than 80% of Fortune 100 companies such as Microsoft, Google (Google Sheets), the United Nations, Atlassian, IBM and many others.

- Build and Launch highly Scalable API Backend for their various file formats components such as Aspose.Words (to manipulate word documents) and Aspose.Cells (Excel spreadsheet).
- Build and launch the backend for Aspose.app to support online file processing for PDF, Word, Excel, PowerPoint, Visio, Project, and 3D Formats.
- Optimize backend and frontend apps to improve traffic from **100k to 5M** visits per month..
- Develop and launch the Id.Containerize.com app using IdentityServer4 in order to provide a single sign-on experience for all of their customers across all of their apps, such as a Cloud Dashboard, Support Forums, Help Desk, Status Page, and Alerts. Developed API Monitoring tools to alert customers for potential maintenance and downtime.
- Developed tools and scripts to assist and automate the migration of **1M users** and **4M+ posts** from their legacy system to the new support forum.
- Built CI/CD pipelines using AWS, implemented automated testing using SonarQube, and improved the AWS Cloud Infrastructure to support **100k requests/minute** to **1M/requests per minute**.

<https://www.aspose.com/>

PROJECTS HIGHLIGHT

Real-time Driver Search Services:

Built a geospatial search-enabled microservices backend for last mile delivery gig worker matching. It efficiently matches available workers with delivery requests based on their proximity to the desired locations. The system considers driver real-time locations, profiles and preferences, ensuring accurate and optimized worker allocation.

Containerize Identity Server

Single Sign On Solution for Aspose Pty Ltd serving 1.6M users.

<http://id.containerize.com/>

REFERENCES

Jagdish Repaswal

[CTO, Point Pickup Technologies](#)

Chris Schoenfeld

[VP Engineering, Point Pickup Technologies](#)

Salman Sarfraz

[President, Aspose Pty Ltd \(Pakistan\)](#)

Javid Calcati

[Medical Director at Wellnorth Medical](#)