

## Contact

hassanshahzadaheer@gmail.com

www.linkedin.com/in/

hassanshahzadaheer (LinkedIn)

aheer.me/ (Portfolio)

github.com/hassanshahzadaheer  
(Portfolio)

## Top Skills

Cursor AI

React.js

Laravel

## Languages

English (Professional Working)

## Certifications

Introduction to Back-End  
Development

SQL (Basic) Certificate

Certificate of Completion: HTML  
Fundamentals

Grammar and Punctuation

How to Learn Faster

# Hassan Aheer

Software Engineer | Backend Systems | Java Spring Boot (Laravel → Spring)

Lahore, Punjab, Pakistan

## Summary

Speed is easy. Stability is hard.

In my first three years as a software engineer, I shipped a lot of features. React frontends, Laravel backends, full-stack apps built fast and pushed live fast. I knew how to make things work.

Then a pattern kept repeating.

A feature ships on Friday. Everyone celebrates. Six months later, the same feature becomes the reason nobody wants to touch the codebase.

That's when it clicked for me: Working code and maintainable architecture are not the same thing.

That shift changed how I think about engineering.

I stopped asking, "how fast can I build this?" and started asking, "what happens to this code in two years?"

That question pushed me toward Java and Spring Boot. Not because of trends, but because those ecosystems reward discipline. Strong typing, dependency injection, and clear boundaries force better decisions early and slow technical debt before it spreads.

My view is simple: frameworks change. System design fundamentals stay.

On AI: I use it for the mechanical parts of coding like boilerplate and syntax. That frees my time for decisions that are hard to reverse. Data modeling. API contracts. System boundaries. AI runs the engine. I decide where the system goes.

Right now, I'm bridging fast shipping from my Laravel background with stronger architecture from my Spring focus, especially around:

→ Scalability patterns

Designing for horizontal scale with stateless APIs, caching, and database planning.

→ Resilience

Understanding failure paths and building systems that fail softly instead of collapsing.

→ System evolution

Learning migration patterns like Strangler Fig and Anti-Corruption Layers for legacy systems.

I value engineering cultures that prioritize long-term thinking over short-term hacks. If you're working on backend architecture or system design problems, I'd be glad to connect.

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## Experience

Vertex 360 Software Solutions/NDIS software

Software Engineer

September 2023 - Present (2 years 7 months)

Australia

→ Designed and shipped 40+ RESTful APIs in Laravel serving 500+ business clients and 500+ daily active users across an enterprise disability services platform.

→ Engineered and built a custom Incident Management System from scratch, integrating it into existing workflows and eliminating manual tracking for operations teams.

→ Identified and eliminated critical N+1 query bottlenecks in legacy code, cutting database load and improving response times across high-traffic endpoints.

→ Refactored a high-risk Funding Module handling complex financial logic within a legacy codebase, improving maintainability without breaking production.

→ Currently building frontend interfaces in React.js while applying system design principles to plan the backend migration toward Java Spring Boot microservices.

## Managed Service Provider - Taeyaar

1 year 2 months

### Full Stack Developer

August 2022 - August 2023 (1 year 1 month)

United States

### Back End Developer

July 2022 - January 2023 (7 months)

→ Built and shipped REST APIs for multiple client projects in a high-pressure environment with frequently changing requirements.

→ Adapted across different tech stacks to meet tight deadlines while maintaining code quality and API reliability.

## Metro Live Pakistan

### Full Stack Developer

April 2020 - May 2022 (2 years 2 months)

Karāchi, Sindh, Pakistan

→ Delivered end-to-end web applications for clients across real estate and services using Laravel and JavaScript.

→ Balanced new feature delivery with legacy system maintenance, applying hot fixes to live production systems with minimal downtime.

## Tech Zone

### Web Tutor

September 2021 - March 2022 (7 months)

Karāchi, Sindh, Pakistan

## Real Leads Hub

### Junior Laravel Developer

December 2018 - April 2020 (1 year 5 months)

Mississauga, Ontario, Canada

→ Built web applications using Laravel and CodeIgniter on a LAMP stack, gaining foundational backend development skills.

→ Managed third-party service integrations ensuring uptime across client websites.

### Escape Advertising

#### Web Developer Internship

July 2018 - December 2018 (6 months)

Karachi

→ Developed and maintained PHP-based web applications including e-commerce platforms.

→ Ran site audits to identify performance issues, improving speed and security.

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## Education

### SMIU Department of Artificial Intelligence & Mathematical Sciences

BSCS, Computer Science · (2015 - 2018)

### Harvard University

High School, CS50: Introduction to Computer Science – Harvard via edX (Online, 2016) · (2015 - 2016)

### DHACSS Degree College

Intermediate, Computer Science · (2010 - 2012)

### Agha Computer Education

Diploma In Information Technology, Computer Programming, Specific Applications · (2010 - 2011)