

TANSHEET ALI

Software Development Engineer • Full-Stack Web & Backend Systems

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PROFESSIONAL SUMMARY

9+ year experienced Software Development Engineer with proven success in architecting and developing robust and scalable web platforms and backend systems, working across the entire software development lifecycle. Proficient in technologies such as TypeScript, JavaScript, Java, HTML and Sass, with a solid understanding of backend APIs (Java, Node.js, PHP) as well as experience with production-grade AWS infrastructure (EC2, RDS, S3, CDK). Driven to build customer experiences on web with a "best-in-class" approach. Adept at owning end-to-end features – design and architecture to delivery, testing (Playwright, Jest) and operations, working effectively within Agile cross-functional teams alongside Product, UX and Engineering.

CORE TECHNICAL SKILLS

Frontend	TypeScript, JavaScript (ES6+), HTML5, Sass/CSS3, React, Progressive Web Apps (PWA)
Backend & APIs	Java, Node.js, PHP (Laravel, Symfony, Yii2), RESTful APIs, microservices, web servers
Cloud & Infrastructure	AWS (EC2, RDS, S3, CDK), Linux/Ubuntu, CI/CD pipelines, Git, production deployments
Architecture	Distributed systems, scalable web architecture, design patterns, reliability, OOP
Testing & Quality	Playwright, Jest, Storybook, PHPUnit, regression testing, code reviews, TDD awareness
Databases	MySQL, schema design, query optimisation, NoSQL awareness
AI / GenAI	OpenCV, TensorFlow/TFLite, DeepFace; AI-assisted development tooling
Ways of Working	Agile/Scrum, 2-pizza team culture, Product & UX collaboration, mentoring, technical documentations

PROFESSIONAL EXPERIENCE

Senior Software Development Engineer | Test Incorporated Ltd, UK

Oct 2023 – Apr 2026

- Responsible for end-to-end delivery of web platform feature production including design/architecture, frontend TypeScript/JavaScript development, backend API integration, testing (Jest, Playwright), deployment, and operational support.
- Developed highly available, accessible, and reliable web experiences for customers using TypeScript, JavaScript, HTML, and Sass.
- Developed and operated scalable backend APIs and services written in PHP, Python, and Node.js on AWS (EC2, RDS, S3) that had direct impact on customers by delivering the platform quickly and reliably.
- Directed the refactoring of existing services resulting in improved reliability, reduced technical debt, and improved scalability/maintainability of systems.
- Worked collaboratively with front-end developers, QA, DevOps, and product owners in daily scrums, code reviews, and technical design sessions.
- Utilized GenAI and AI-assisted development tools to streamline engineering processes and stay up to date on the latest web technologies.
- Wrote well-structured, readable code using object-oriented principles and design patterns, reviewed other engineers' code, and helped raise the bar on engineering standards.

Key Achievements:

- Successfully achieved reduction in response times for the platform by optimizing the front end and back end systems.
- Successfully delivered several key production features that met product specifications and customer experience goals.

Senior Software Development Engineer | *VisionPlus Solutions Ltd*

Aug 2020 – Dec 2021

- ▶ Built and managed full-stack web applications on platforms with a high volume of traffic; ensured the delivery of the frontend (JavaScript, HTML, CSS) and backend API (Java, Node.js) portions.
- ▶ Architected RESTful web APIs and backend services for serving millions of customers on web and new device platforms; owned the delivery process from design to production support.
- ▶ Worked closely with Product Managers, UX Designers, and engineering groups to design and prototype customer web features.
- ▶ Conducted code reviews, documented technical designs, and participated in architecture discussions.

Key Systems Delivered:

- ▶ JumpRecruiter - Recruitment website application platform that uses PHP, Laravel, Node.js, Java, AWS, and MySQL to offer scalable recruiting services to customers.
- ▶ - Matterport VR Platform - Back-end services and API for a very high-traffic and media-intensive virtual reality content delivery platform, similar to Prime Video's media streaming technology.

Software Development Engineer | *SixLogics*

Jan 2018 – Aug 2020

- ▶ Offered a wide range of full-stack capabilities on various client websites that comprised JavaScript/HTML/CSS-based front-ends, PHP back-end logic, API integration with third parties, and MySQL database transactions.
- ▶ Developed and supported scalable web applications, gaining expertise in front-end robustness, back-end scalability, and production management in real-life situations.
- ▶ Made use of object-oriented programming and design principles in conjunction with version control techniques (Git) to ensure maintainable and high-quality code bases for multiple projects at once.

Junior Software Development Engineer | *AAA Software Solutions*

Feb 2015 – Jan 2018

- ▶ Built web applications utilizing PHP, JavaScript, HTML, CSS, and relational databases, forming strong fundamentals in backend programming, frontend implementation, and authentication mechanisms.
- ▶ Worked on live production systems during tight deadlines, thereby acquiring practical knowledge in system ownership, problem solving, and being on call right from the start.
- ▶ - Provided working software solutions in weeks instead of months, showing the capability to handle ambiguity and maintain fast delivery cycles.

SELECTED PROJECTS & ARCHITECTURE

SuperNova Framework (Open Source) | *PHP · JavaScript · MVC · Web Architecture*

- ▶ Created a ground-up modular PHP web application framework with front-controller routing, request lifecycle, and modularity. The design of this framework took into account the trade-offs made by the web platform itself when balancing simplicity and power in its design.

Real-Time Facial Behaviour Analysis System | *Python · TensorFlow · OpenCV · DeepFace*

- ▶ Built a real-time computer vision machine learning pipeline for live video streams that can be applied to the domain of video processing and media delivery at Prime Video. The modular pipeline design allows for acceleration using GPUs/CPU's and is tuned for production-level performance.

Backend REST API Service | *Java · Node.js · System Design · AWS*

- ▶ - Created a production-quality REST API (with authentication, validation, error handling, pagination, and service boundaries) that exemplifies good practice in building scalable web services.

EDUCATION

MSc Management with Data Analytics

Graduated 2023

BPP University, London

BSc Computer Science

Graduated 2014

COMSATS Institute of Information Technology

CERTIFICATIONS

Social Media Marketing

May 2018

ITHeight, Pakistan

Search Engine Optimization

Jan 2017

ITHeight, Pakistan