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# Yuvraj Bajwa

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Software Engineer

[LinkedIn](#)

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## PROFESSIONAL SUMMARY

Software engineer with 4+ years of experience delivering full-stack web-services and cloud-native solutions in agile environments. Strong advocate of Test Driven Development, CI/CD, and design patterns. Experienced in deploying scalable and resilient applications on AWS and Azure.

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## EXPERIENCE

### Software Engineer

Mar 2021 - Present

StayinFront Ltd

- Led the implementation of a native chat capability, replacing a third-party iframe-based module and reducing user/channel sync time from 30–60 minutes to near-instant, improving reliability and user experience.
- Delivered 100+ features in a B2B product team using agile methodologies, reducing planning-to-delivery cycle by 20% through early technical design and iterative testing.
- Designed cloud-native AWS solutions and integrated RESTful web services with third-party APIs, improving scalability, resilience, and maintainability through loosely coupled architecture and design patterns.
- Established TDD practices and CI/CD pipelines within a legacy codebase, achieving 85% code coverage on new features, reducing QA-reported defects, and streamlining deployments.
- Optimised large-scale image search and retrieval by improving SQL indexing, query joins, and file access patterns, reducing performance bottlenecks and improving reliability under load.
- Built a template-based PowerPoint generation feature allowing users to batch-select photos, populate slides with image metadata, comments, and expressions, and export outputs in PowerPoint, PDF, Excel, and ZIP formats.
- Mentored 3 new engineers, reducing onboarding time by 40%, and conducted 200+ code reviews emphasizing design patterns, SDLC standards, and continuous delivery principles.

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## PROJECTS

### Resumae - Founder

Mar 2026 - Present

<https://resumae.xyz>

- Built an AI-driven web service for tailored resume generation, cover letter generation, interview preparation, and application tracking.
- Designed an AI-first application architecture with an agent harness layer for prompt orchestration, context handling, output validation, and reliable AI-assisted software development.

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## SKILLS

**Languages:** C#, JavaScript, TypeScript, SQL, Python

**Web-Services & APIs:** REST APIs, ASP.NET, Node.js, Web-Services Integration, 3rd Party APIs

**Cloud & DevOps:** Microsoft Azure, Amazon Web Services, Docker, CI/CD, Git, Cloudflare, MQTT

**Engineering Practices:** TDD, Code Design Patterns, SDLC, Agile, Scrum

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## EDUCATION

### Bachelor of Science degree (BSc) in Computer Science

The University of Auckland