

# RAYAN BHATTI

Software Engineer | DevOps | Cloud Solutions

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## PROFILE

Results-driven, Degree qualified, Software Engineer with strong expertise in backend development, AWS cloud solutions, and DevOps automation. Proficient in building and scaling microservices, optimizing CI/CD pipelines, and leveraging AWS services (EC2, ECS, EKS, S3, DynamoDB) to deliver secure and efficient solutions. AWS Certified (Solutions Architect Associate, Cloud Practitioner) with experience in Java, Python, and modern web technologies. Enthusiastic about delivering robust software and mentoring peers.

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Python, C/C++, JavaScript, HTML, .NET, SQL, React, Spring Boot, React, REST API, Linux  
**Cloud & DevOps:** AWS (EC2, ECS, EKS, S3, DynamoDB), Docker, CI/CD (Jenkins, Harness), Kafka, PyLint  
**Tools & Other:** Git, Postman, Splunk, Docker, GitHub, Microsoft Office 365, Microservice Architecture, Automation, OOP, Agile

## PROFESSIONAL EXPERIENCE

**Graduate Engineer – Software** | Commonwealth Bank of Australia (CBA) | *Feb 2025 – Present*

- Built Agentic AI frameworks using OpenAI APIs, designed for cross-team usability so that less experienced engineers could leverage the solution, creating value for the entire business.
- Automated CI/CD pipelines with unit tests, PyLint linting, PR templating, and caching, improving deployment efficiency.
- Functioned as Security Champion, creating RISE documents and vulnerability reports for compliance.
- Developed an AI-powered documentation string extension to boost developer productivity.
- Worked extensively with AWS services including S3, ECS, EC2, and DynamoDB to build and maintain scalable infrastructure.
- Collaborated with team members through knowledge-sharing sessions and contributed to thorough technical documentation.

**Software Engineering Intern** | National Australia Bank (NAB) | *Jul 2023 – Jan 2025*

- Migrated CI/CD pipelines from Jenkins to Harness, configuring containers, manifests, and dependencies.
- Designed backend customer verification microservices (Kafka-based) for letter-of-offer validation.
- Conducted Graviton migration research for multiple teams, ensuring AWS ARM64 compatibility.
- Reduced tech debt by removing obsolete feature flags, optimizing code, and uplifting dependencies.
- Maintained AWS infrastructure, including scheduled patching and ECS image configurations. Utilized AWS services such as S3, ECS, EKS, EC2, and DynamoDB for various deployment and infrastructure tasks.

## EDUCATION

**Bachelor of Software Engineering – RMIT University** | *2020 – 2024*

## CERTIFICATIONS

- AWS Solutions Architect Associate – 2022
- AWS Cloud Practitioner – 2022

## PROJECTS

View personal portfolio here:

<https://www.rayanbhatti.dev/>