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Sydney

M Suhail

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Core Technical Expertise

- Languages: TypeScript, Node.js, Python, Go

- Databases: DynamoDB, RDS MySQL, PostgreSQL

- Cloud & Architecture: AWS, Microservices, Serverless, Event-driven systems, Automation, Migrations to cloud

- High-throughput Systems: Performance optimization, system bottleneck analysis

- Frontend: React, NextJS

Education/Certifications

Masters in IT 2013 - University of Canberra. Australia

Participated in the Microsoft AI Skills Fest — officially set a GUINNESS WORLD RECORDS™ title for the most users to complete an online multi-level AI lesson within 24 hours (April 8, 2025)!

AWS Certified AI Practitioner Early Adopter -Jan 2025 **||** AWS Simulearn Generative AI Course

AWS Solutions Architect Professional - Feb 2021 || AWS Solutions Architect – Associate - Feb 2019

Personal

Learning and experimenting with Generative AI solutions, AI coding tools for software development.

EXPERIENCE

Senior Software Engineer BigB – Sydney. August 2024 – Aug 2025

- Architected cloud-native serverless solutions for integration framework on AWS, reducing operational overhead.
- Enabling event-driven architecture using SQS/SNS, allows apps integration and file processing.
- Implemented the integration framework that connects over 50 internal and third-party applications using APIs, file-based formats (CSV, Excel, logs), and custom adapters.
- Actively contributed to team culture through knowledge sharing and regular social engagement.
- **Tools:** Python, Terraform, API gateway, Lambda, EKS, S3, AWS Secrets manager, SNS, SQS, Cloudfront, Bitbucket, CI/CD Bitbucket pipelines, Auth0, AWS Bedrock, ItelliJ ultimate, VS studio code, Github Copilot, Agile, Sprints, Confluence, JIRA, MS Teams

Senior Software Engineer Full time, permanent, Jan 2023 – July 2024, Sydney, AU. Global

- **Designed, developed, and contributed to a SaaS platform for the energy sector**, hosted on AWS and built on microservices architecture. The platform was evolved from a legacy monolith through a careful decomposition strategy.
- Adopted **event-driven architecture**, integrating services via **SQS, SNS, and EventBridge** for asynchronous event publishing and consumption.
- Developed services in **Node.js, TypeScript, and Go**, with infrastructure managed via **AWS CDK (TypeScript)** in a repo-per-service model.
- Built **customer data integrations** through APIs and file-based mechanisms (CSV, Excel), enabling robust data syncing and processing.
- Applied **serverless architecture** using **Lambda (compute), DynamoDB (database), and S3 (storage)** for scalability and reduced operational overhead.

- Implemented **CI/CD pipelines** using **AWS CodeBuild** and **Bitbucket**, ensuring code met quality gates across the SDLC.
- Built orchestration workflows using **AWS Step Functions**, including automated **customer onboarding** and deployment processes.
- Developed the **NextJS/React-based frontend** to view Tenant management.
- Worked on **Python and Pandas scripts** to analyze and manipulate large meter data files for insights and debugging.

Tools/Tech stack

Typescript, NodeJS, NextJS, React, GO, AWS CDK, Terraform, Lambda, Step function, ECS, ECR, DynamoDB, API Gateway, Eventbridge, S3, SNS, SQS, KMS, SSM, AWS Backups, Cloudwatch, Codebuild, Git, Jest unit test, Cucumber, Cloudfront, EC2, VPC, ELB, Auth0

REST API, SaaS, Microservice, Serverless, CI/CD

IntelliJ, VS Code, WSL, Agile, Sprints, Confluence, JIRA, Slack, MS Teams

INTERESTS

Health & Fitness, Cricket, Reading, BBQ

September 2021: Participated in "Guinness World Records" attempt for most user to complete a remote 10 Km in 24 hours.

Round the bays 2020, 2019 completed the jogger's track of 8.4 km.