VISHNU VIJAYA KUMAR

LEAD FULL STACK SOFTWARE DEVELOPER

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PROFESSIONAL SUMMARY

Lead Software Developer with a proven track record at Spin AU, specializing in **full-stack application architecture** and **cloud-native solutions**. Expert in **secure API design**, **CI/CD practices**, and delivering scalable systems that enhance operational efficiency and user experience. **Language-agnostic and highly adaptable**, with a strong ability to learn and apply new technologies as needed. Passionate about **mentoring teams**, promoting **agile development**, and driving impactful, innovative results.

SKILLS

Full Stack Application Architecture & Development	Cloud-Native Development & Deployment (AWS, Firebase
Authentication & Secure API Design	CI/CD, Containers & DevOps Awareness
Leadership, Mentorship & Agile Practices	UI Development & User Experience

WORK HISTORY

Lead Software Developer, 11/2021 - Current

Spin Au – Perth, Australia

- **Led the development of 7+ full-stack applications** for internal business operations including CRM, SRM, and task management tools, improving operational efficiency and user satisfaction.
- **Built scalable React frontends** with AG Grid to deliver Excel-like experiences, enhancing usability for power users.
- Developed **secure authentication workflows** using Firebase Authentication and Outlook OAuth, implementing token verification on the backend and issuing **JWTs** for API access.
- **Architected hybrid cloud solutions** using **Google Cloud Functions**, **Firebase Hosting**, and **Firestore**, supporting real-time interactions and cost-effective deployments.
- Designed and maintained both **SQL (PostgreSQL)** and **NoSQL (Firestore)** schemas depending on application needs, with proper indexing, data modeling, and optimization.
- Wrote **reusable and scalable UI components** with proper unit tests, following component-driven development practices.

- **Managed production deployments**, including on-premise IIS and cloud-hosted solutions, while troubleshooting issues and optimizing performance.
- Experienced in **profiling applications**, identifying performance bottlenecks, and handling **technical debt and refactoring** tasks across services.
- Proposed and implemented **cloud architecture designs** for clients, leveraging **Firebase**, **AWS** (working knowledge of services like **Lambda**, **API Gateway**, and **EventBridge**), and container-based deployment models.
- Contributed to **internal automation tools and microservices** for data transformation, progressive web apps, and workflow improvements.
- Collaborated across departments to **gather business requirements**, translate them into technical solutions, and maintain alignment with business goals.
- Conducted **CI/CD explorations** with tools like CircleCI and Kubernetes for future implementation, though current deployments were primarily manual.
- Hands-on with **time-series databases (InfluxDB)** and **XHQ analytics** for specific client use cases.
- Passionate about **clean code**, software architecture, and leveraging **AI tools like GitHub Copilot** to accelerate development while maintaining high code quality.
- Led a team of developers to successfully complete projects on time and within budget constraints.

Software Engineer, 11/2020 - 11/2021

Intellificial – Melbourne, Australia

- Migrated infrastructure to AWS with minimal downtime using **RDS**, **Lambda**, and **serverless** solutions.
- Developed **scalable and reusable programs** to support future migrations.
- Selected **cost-effective cloud services**, ensuring performance and operational efficiency.
- Collaborated cross-functionally to troubleshoot and optimize cloud architecture.
- Built a custom **RPA framework** using **Automation Anywhere A2019**, **Python**, and **microservices** for automating service desk operations.
- Designed and developed a **React dashboard** for live ticket stats, bot ROI, and performance tracking.
- Automated report generation and integrated **real-time monitoring** with health checks.

Project Engineer/SQL Developer, 03/2015 - 01/2018

Wipro Technologies – India

- Worked as an **SQL Developer** for **Nike Inc.**, collaborating with global teams on database design, queries, and optimization.
- Self-learned **Python** and **web development**, preparing for transition into full-stack roles.
- Gained exposure to **automation** and **scripting**, leading to a role in **Python Automation Engineering** .
- Built strong fundamentals in **data modeling**, **query performance**, and **enterprise system workflows**.

EDUCATION

Cloud Developer Nano Degree: Cloud Developer, Expected in 07/2025

Udacity - Online

- Professional Development Studies: Full Stack Apps on AWS , Monolith to Microservices at Scale
- Coursework: Refactor a monolith full stack app to microservices and deployed in aws eks . Build a complete CI/CD pipeline for deployment.

Master of Science: Information Technology, 11/2020

La Trobe University - Melbourne, VIC

- Studied: Object-Oriented Application Development, Web Development on Cloud, Internet Client Engineering , Network and Web Security.
- Mediterranean Archeology Database Development, I'm the one of the developer of this project to automate OCR scanned data into useful artifact information system - Capstone Project

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