

# GOPICHANDU ARCHAKAM PARAMKUSAM

## Senior Software Engineer

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### PROFESSIONAL PROFILE

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Senior Full-Stack Engineer with 6+ years of experience designing and scaling SaaS platforms supporting 100K+ users across workforce management and enterprise environments, from design through production. Proven track record of modernising legacy systems into high-availability, Azure-native architectures using .NET 8, Clean Architecture, and Microservices. Leverages a strong product perspective supported by an MBA to align technical roadmaps with business growth, improving deployment frequency and delivery reliability. Regularly leads architectural decision-making, mentors cross-functional teams and DevOps practices.

### TECHNICAL SKILLS

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- Backend: C#, .NET 6+, ASP.NET Core, Web Forms, Microservices, RESTful APIs, Entity Framework, OOP, Node.js
- Frontend: React.js 18, Angular (JS & 5+), TypeScript 5, CSS3, HTML5, jQuery, Ajax, Blazor, Tailwind, Bootstrap
- Database: T-SQL, MongoDB, Query optimization, indexing strategies, SQL Server Agent Jobs
- DevOps & Cloud: Azure (PaaS/IaaS), IIS, Azure DevOps, GitHub Actions, Azure Search/Blob/Files.
- Monitoring & Testing: Grafana, Prometheus, NUnit, Moq, Swagger
- Versioning & Practices: Git, Agile, Kanban, Secure Coding, Code Reviews, Continuous Integration

### PROFESSIONAL EXPERIENCE

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#### Senior Full-Stack Engineer

Nov 2022 - Present

OpusAperio Limited

Lead Agile team building SaaS platforms for workforce and staff management used by multiple clients. Mentored 4 junior developers and elevated code quality by 30%, as measured by defect reduction, through rigorous code reviews and Clean Architecture standards.

- **Reduced file access latency by 50%**, by implementing a hybrid cloud file synchronisation solution using **Azure File Sync** to migrate and synchronise on-premises file shares with **Azure Files** and **Azure Blob**.
- **Improved reporting performance from 8 seconds to 500 milliseconds**, by optimizing **SQL Server stored procedures** using pagination, indexing, and query tuning for a revenue-reporting SPA used by 20+ managers.
- **Improved Power BI dashboard refresh times by 40%**, by designing **CTE-based SQL queries** and creating analysis-ready **views** for rota, attendance, and staff activity reporting.
- **Modernized the supplier onboarding process by 70%**, by developing a .NET Blazor WASM registration portal that replaced paper forms with automated online workflows and real-time email notifications.
- **Reduced frontend development time by 30%**, by engineering a modular application form in React using Atomic Design, which enabled easy tailoring of inputs for diverse client requirements.
- **Accelerated deployment cycles from 4 weeks to 2 weeks**, by implementing standardized Azure DevOps CI/CD pipelines, improving deployment consistency and reducing rollback incidents by 75%.
- **Engineered a .NET/Plivo API integration to automate welfare calls for 10K+ daily night workers**, improving safety monitoring and response logging efficiency.
- **Improved issue detection by 40%**, by implementing centralized observability using **Grafana and Prometheus** to monitor **ASP.NET Core Web APIs**, **SQL Server health**, and background jobs.

#### Application Development Analyst

Nov 2017 - Dec 2020

Accenture

Improved application reliability and security for 10K+ users by mitigating 150+ security risks using the OWASP Testing Guide, contributing to a 100% UAT pass rate for all releases.

- **Increased application performance and user engagement by 85%**, by migrating a legacy AngularJS workflow interface to Angular 5 with TypeScript and modern component patterns.
- **Eliminated 20 hours/week of manual communication overhead** by automating Azure Logic Apps workflows, distributing 50+ release notifications to 1,000+ stakeholders with 99.8% delivery success rate.
- **Improved data retrieval efficiency by 60%**, by implementing REST API endpoints integrated with Azure Search to optimise query performance and search response times.
- **Resolved over 200 support tickets with a 95% success rate**, by diagnosing application issues efficiently and meeting SLA requirements consistently.
- **Improved API security and reduced authentication latency by 35%**, by implementing JWT-based

authentication in .NET Web APIs to enable stateless and scalable access across services.

- **Maintained at least 80% unit test coverage across new API features**, by implementing unit tests that reduced production-level defects and improved release confidence.

## PROJECTS

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CV Craft - AI Resume Screening & Job Matching Platform [Link](#)

React.js | Node.js | MongoDB | OpenAI GPT | Docker

- **Enabled automated CV screening and skill extraction**, by experimenting with AI-based analysis to assess ATS compatibility, identify skills, and highlight gaps during resume evaluation.
- **Improved usability of resume analysis workflows**, by developing a React-based interface with drag-and-drop CV upload, real-time analysis, scoring, and tailored improvement suggestions.
- **Supported scalable job-matching and search functionality**, by implementing a Node.js microservice architecture using Docker containers and MongoDB for efficient data processing.

Portfolio Website - Vedavyasa School [Link](#)

React.js | PHP | MySQL | Tailwind CSS

- Architected and launched responsive **React-based school website showcasing 50+ events and 200+ student achievements**, across desktop and mobile devices.
- **Simplified content updates for non-technical users**, by developing a lightweight PHP and MySQL backend that enabled staff to manage website content independently.

## EDUCATION

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Aston University

Jan 2021 - Mar 2022

MBA, Master of Business Administration

- Grade: Merit (65%)

## CERTIFICATIONS

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- Microsoft Certified: Azure Developer Associate (AZ-204) - May 2025