

GUNASEKARAN P

Software Engineer | Full Stack & Azure Cloud

4 Years Experience • AZ-204 • AI-102 • DP-100 • C# Corner MVP

SUMMARY

Passionate Software Engineer with **4+ years of experience** building scalable web, mobile, and cloud applications. Highly skilled in **full-stack development, Azure cloud services, and AI-driven integrations**. Proficient in developing admin panels, NPM/Flutter packages, third-party API integrations, and AI solutions using Azure AI Services and OpenAI. **Microsoft-certified** Azure Developer, AI Engineer, and Data Scientist. Recognized as **C# Corner MVP** for outstanding community contributions. Consistently delivers business-critical features under tight deadlines.

WORK EXPERIENCE

Sep 2022 – Present

Software Engineer

Peninsular Research Operations, Chennai, India

Project: Reward Rally – Gamification Platform

- Designed database schema for Gamification and Redemption services using MongoDB and SQL.
- Developed Gamification and Marketplace services with Node.js and MongoDB; Redemption service with .NET Core, C#, and SQL.
- Implemented authentication & authorization using Azure ADB2C, API key auth, Keycloak (RBAC), and application-specific ID-based access control.
- Integrated QwikCilver third-party API in the redemption service to redeem vouchers directly within the application.
- Designed and deployed NPM packages for React and Angular, plus Flutter packages to their respective registries.
- Employed Azure Functions App for serverless order processing, failure detection, token generation, and email delivery.
- Implemented Docker for microservice and Azure Function Apps deployment.
- Developed Azure Queue-based Function Apps to process over 1 million e-commerce order transactions asynchronously.
- Utilized Azure Blob Storage for file and media management.

CONTACT

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<https://gunapalani.github.io/>

EXPERIENCE

4 Years

Full Stack & Cloud

FRONTEND

- Angular
- React
- Flutter
- Astro JS
- Tailwind CSS

BACKEND

- Node.js
- .NET Core
- Python

DATABASE & ORM

- SQL
- MongoDB
- Entity Framework
- Mongoose / Linq

CLOUD & DEVOPS

- Microsoft Azure
- Firebase
- Docker
- Azure DevOps
- GitHub Actions

- Built a comprehensive Angular admin panel with Tailwind CSS and a high-performance AstroJS website with SSR.
- Built a Flutter-based bus booking application for client demonstrations.
- Developed a Microsoft Teams Tab and Bot extension integrated into the Reward Rally platform.
- Built and deployed a Shopify App with Checkout UI Extension, Theme App Extension, Web Pixel Extension using Remix framework.
- Implemented Strapi CMS for managing blogs and testimonials; integrated HubSpot CRM for live chat and email tracking.
- Implemented Redis caching to optimize repeated data fetches and improve application performance.
- Designed a membership system enabling users to purchase plans and receive transaction discounts.
- Developed and published a WooCommerce extension deployed to the WooCommerce Marketplace.

Project: **Media Monitoring – Real-Time Analytics Dashboard**

- Developed various charts including word clouds and line charts for detailed data visualization.
- Integrated real-time news data for accurate and up-to-date media metrics display.
- Built a React + Redux dashboard for comprehensive media metrics analysis.
- Implemented Azure ADB2C authentication to secure dashboard access.

Project: **PRO & KYN Websites**

- Developed high-performance websites using AstroJS (SSR) with GSAP and AOS animations.
- Implemented Strapi CMS for dynamic content management including blogs and testimonials.
- Live: peninsularresearchops.com | kynhood.com

CERTIFICATIONS

- Microsoft Certified: Azure Developer Associate (AZ-204)
- Microsoft Certified: Azure AI Engineer Associate (AI-102)
- Microsoft Certified: Azure Data Scientist Associate (DP-100)

AI & PLATFORM

- Azure AI Services
- Azure Bot / OpenAI
- Speech & AI Search
- Power Apps / BI
- Power Automate

EXTENSIONS

- Shopify (Theme + Checkout)
- MS Teams (Tab & Bot)
- Zoho CRM & Desk
- WooCommerce
- Azure DevOps

LANGUAGES

Tamil | English

PERSONAL

Nationality: Indian

- Most Valuable Professional (MVP) – C# Corner Developer Community
- 100 Days Python Bootcamp – Udemy

RECOGNITIONS & AWARDS

- Developed a LinkedIn scraper using Python & Selenium for Reward Rally's #RRTechX campaign, boosting conference engagement.
- Recognition of Excellence – Converted the Reward Rally React NPM package to Vanilla JS for an ASP.NET client in record time.
- Recognized for rapid delivery of Shopify Theme App & Checkout UI Extensions, enabling Reward Rally's e-commerce ecosystem.
- Recognition for QwikSilver Redemption integration into Reward Rally with timely delivery.
- C# Corner MVP – Outstanding contributions to the C# developer community.
- Runner-Up – MLH (Major League Hacking) 72-Hour Virtual Hackathon.
- Recognized for building the Reward Rally WooCommerce Plugin, expanding product reach across the merchant ecosystem.

EDUCATION

Jul 2022 – Apr 2025

Master of Computer Applications (MCA)

University of Madras, Chennai, India | GPA: 93%

Jun 2019 – Apr 2022

Bachelor of Computer Applications (BCA)

Aringer Anna Arts & Science College, Thiruvalluvar University | GPA: 76%

Jun 2018 – Apr 2019

Higher Secondary Certificate (H.S.C.)

GHS School, State Board | 71.2%

Jun 2016 – Apr 2017

Secondary School Leaving Certificate (S.S.L.C.)

GHS School, State Board | 76.6%
