

Gokul Thiagarajan

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SUMMARY

Innovative, ITIL certified Strategist & Team Leader in delivering complex projects for high-volume companies. Refactored legacy monolithic application to micro services architecture and resolved architecture bottlenecks.

EXPERIENCE

IT System Analyst

Abu Dhabi Commercial Bank

March 2022 – Present, Abu Dhabi, UAE

- Implemented a new digital identity verification process in entire banking journey which resulted in a 20% increase in data accuracy, a 15% increase in security, and a 50% reduction in verification time.
- Improved the data load processing time by 500% by identifying the root cause of the data load failing and partnering with the technology team to resolve it.
- Improved customer transparency by 100 % in end to end account opening journey and ensured multiple Consumer Protection Standard clauses are followed.
- Enhanced Service oriented architecture and optimized API for Corporate and Self employed accounts which enabled TAT reduction by 200%.
- Coordinated with multiple stakeholders, business analysts, developers, release management teams and ensured project deliveries deployed within timelines.

Senior Software Developer

Apexon

June 2021 – February 2022, Chennai, India

- Integrated PDF reporting tools using .NET API libraries to generate logistics instructions.
- Established efficient algorithms for pricing report generation which optimized savings by 50%.
- Created automated pipelines for CI/CD using Azure Devops to improve release and deployment.
- Built background services, API and dashboard with user and role based application for Newspaper ads.

Senior Web Designer

Upwork

January 2021 – May 2021, Chennai, India

- Optimized page response time by 60% through redesigning assets loading and bundling process.
- Redesigned dashboard page for improving responsiveness of overall site.

Senior Software Engineer

Aspire Systems

June 2018 – December 2020, Chennai, India

- Increased user enrolment by 20% by implementing cross platform Chrome extension to extend user capabilities of product.
- Spearheaded Agile Scrum team as Team leader for 3 client projects, end to end.
- Improved productivity by 30% by developing alerting & management system to manage workloads.
- Incorporated Spellchecker, Auto complete features and reduced User typing by 25% on average.
- Optimized core logics to follow SOLID principles and improved code coverage to 100%.
- Presented Proof of Concept to clients that helped the organization secure deals with two new client organizations

Research Fellow

Indian Institute of Astrophysics

May 2018 – July 2018, Bangalore, India

- Built Low-Gain Active Antennas LOFAR system to analyze Inter galactic cosmic microwave background radiation CMBR.
- Analyzed and measured the radiation patterns using Matlab and optimised the design in terms of cost and reliability.

EDUCATION

Master of Business Administration

IU International University • Germany • 2023

Bachelor of Technology in Electronics & Communication Engineering

Sastra University • Tanjore, TN • 2014 – 2018 • 8.5GPA (Dean's List 2015,16,17,18)

PROJECTS

Programming Language & Interpreter

Solves the problem of customization • July 2020

- Built a lexical analyzer for tokenization of custom language and established abstract syntax tree (AST) by parsing.
- Designed custom CLI and REPL & Integrated file stream to evaluate program in customized file extension.

- Transpiled entire custom language to executable target JavaScript by applying Visitor pattern.

Memory Leak Detector

Resolves memory management issues in C, C++ • November 2020

- Established Generic library to catch memory leaked, corrupted objects and report them.
- Implemented Memory Allocation Scheme to handle Heap Memory Fragmentation issues.
- Efficiently parsed any application's data structures and tracked all its inherent fields.

Video Sharing App

Personal project • January 2021

- Can upload, like, comment a video.
- Ability to view personalized Home page feed and Trending page.
- Users can Login and Logout using Google accounts.
- Inspired from YouTube for Subscribing and following other uploaders.
- Utilized: React, Prisma, GraphQL, OAuth.

E-commerce Shopping App

Full stack application • February 2021

- Applied Specification pattern for Repositories and designed re-usable Generic backend architecture.
- Used ASP.NET Identity for authentication and accepted payments via Stripe API.
- Utilized: C#, MVC, .Net Core, Angular, Stripe, Bootstrap.

Multilingual App with Google Assistant

Google Cloud • October 2021

- Added Cloud function utilizing Google Translate functionality and configured Webhooks.
- Utilized DialogFlow platform to incorporate Actions project and integrated with Google Home device.

SKILLS

Back End: .Net Core, MVC, Web API, Microservices, SQL, Node.js

Front End: HTML5, CSS, JavaScript, jQuery, Bootstrap, ReactJs, Phaser JS

Programming Languages: C#, C, C++, Python

Frameworks: ASP.NET MVC, .Net Core, Web API, Web Services, NUnit testing, MSTest

Build Tools: TFS, Git, Azure DevOps

CERTIFICATIONS

ITIL Strategist

PeopleCert • 2023

Lean Six Sigma Black Belt

LSSA Exin • 2023

Professional Scrum Product Owner

Scrum.org • 2022

Professional Scrum Master

Scrum.org • 2022

PMI-ACP

PMI • 2023

INVOLVEMENT

Youtuber

<https://www.youtube.com/@GokulThiagarajan1> •

StackOverflow Moderator

<https://stackoverflow.com/users/11623735/gokul-thiagarajan> •

Github - Open Source Contributor

<https://github.com/gokulthiagarajan> •

Blogger, Freelance Writer, Sub Editor

<https://www.quora.com/profile/Gokul-Thiagarajan>

<https://sites.google.com/a/sastra.ac.in/iicheschap/chemunique>

<https://gokulthiagarajan.medium.com/>