# Dheeraj Gopinath

Software Developer

⊙ Bangalore  📞 9447745127  @ dheerajgopinath@gmail.com

## Profiles

in https://www.linkedin.com/in/dheeraj-gopinath-883537100/

○ https://github.com/dheerajgopi

🔵 https://dheerajgopi.hashnode.dev/

## Summary

Results-driven Senior Software Engineer with 9 years of expertise in developing enterprise-grade SaaS applications across diverse industries. Demonstrated track record of driving technical innovations and performance optimizations. Proficient in multiple programming languages (Java, Python, Kotlin, Go) and cloud technologies with extensive experience building scalable microservices architectures on AWS.

Core strengths include:

- Optimizing system performance, building robust microservices, and mentoring junior engineers.

- Proven ability to own and deliver complex modules independently.

- Maintains an active commitment to technical growth through personal projects in emerging technologies like Large Language Models.

## Experience

### Senior Software Engineer — Jan 2023 - Present
Ampcus Tech Private Limited — Bangalore

#### Acquaa

Acquaa is a B2B SaaS product which helps water utility companies go completely digital in the US market.

- Owned the email notifications module, which involved building both scheduled and real-time alerts to keep customers informed.
- Implemented an AWS EventBridge and SQS-based solution to ensure scheduled tasks are triggered only once across multiple replicas, improving system efficiency and consistency.
- Was involved in migrating data from a client's legacy system to the new Acquaa platform.

### R&D Engineer — Aug 2022 - Dec 2022
Leanstation — Bangalore

#### Lean PlanDo

Lean PlanDo is a project management tool specialized for construction industry.

- Involved in development and deployment of core services.

### Module Lead — Oct 2020 - Jul 2022
Laerdal Bangalore LLP — Bangalore

#### NRP Learning Platform

NRP (Neonatal Resuscitation Program) Learning Platform is used by AAP (American Academy of Pediatrics) for educating health care professionals who handle new born babies.

- As a module lead, involved in design and development of the core APIs.
- Provide technical guidance to other developers.
- Was able to bring in performance improvement of approx 250x for a bulk import feature.

### Software Engineer — Oct 2015 - Sep 2020
Impelsys India Pvt Ltd — Bangalore

#### iPublishCentral Scholar

iPublishCentral Scholar is a platform for delivering scholarly content like journals, books, courses etc.

- Worked on the core backend services.
- Implemented user-level concurrency control using Redis.

## Skills

### ☆ Languages

Java, Python, Kotlin, Go

### ☆ Frameworks

Spring Boot, Flask, FastAPI

### ☆ Databases

Postgres, MySQL, Redis, Elasticsearch

### ☆ Cloud

AWS, Docker, Terraform

## Personal Projects

### Nimblecache

https://github.com/dheerajgopi/nimblecache

Nimblecache is an in-memory database written in Rust that supports the Redis Serialization Protocol (RESP). It's a hobby project of mine as part of learning Rust programming language.

*Rust / Tokio*

### LLMSmith

https://github.com/dheerajgopi/llmsmith

LLMSmith is a lightweight Python library designed for developing functionalities powered by Large Language Models (LLMs). It allows developers to integrate LLMs into all kinds of Python applications.

*Python / OpenAI / Gemini / Anthropic / RAG*

## Education

### B.Tech, Applied Electronics And Instrumentation

Royal College of Engineering & Technology, Thrissur, Kerala
2007-11