

Niranjan Awati

IoT junkie, GoLang developer

A seasoned **Go Lang developer** with **18+ years** of total **experience**. An avid **IoT junkie** building prototype solutions atop single board computers for their sensing capabilities & cloud connectivity. He is adept at developing containerized REST API for the web & concurrent applications for IoT devices using Go. He has also, in the past contributed extensively to the learning functions of his organization.



Work Experience

Sr. Tech Architect

Aug 2023 - today

Persistent Systems | Pune

Yet to be assigned a project

Sr. Software engineer

Nov 2022 - July 2023

NCS-i | Pune

Hired to develop **Go microservices** using REST JSON over HTTP for multiple applications. The project involved TDD approach to development. Micro services were deployed using Gitlab bitbucket CICD. Database used here was predominantly GORM over MySQL. Primary responsibility was not only to develop but also code-review for a team of 4 other engineers.

Sr. Software developer

Mar 2022 - Nov 2022

Dheeti Technologies | Pune

Hired to develop the entire back-end for a document vault product from scratch. This was using the **Go Gin framework** delivering REST JSON over HTTP. Database used here was **PostgreSQL** and deployment using **docker, docker-compose**. Responsibility was to develop & maintain the entire repository of the code with no other team member involved.

IoT developer

Oct 2018 - Mar 2022

Infosys | Pune

Was tasked with the responsibility of developing **live working IoT prototypes** from scratch. All the prototypes were laboratory grade prototypes meant to serve as a **testimonial** for **capabilities** for developing solutions over **full stack**. Was responsible for **hardware, embedded ware and cloud ware** with no other team member involved. Use cases were strictly business driven.

- Ambient air quality indices for closed spaces
- Smart parking lots for automotive OEM
- Vehicle tracking system for mining material transit

Reference

Jayram Joshi

Owner, Dheeti Technologies

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Delivery Lead, NCS-i

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Education

Bachelor, Mechanical Engineering

Pune University
2000 - 2004

Awards

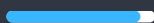
Most valuable programmer, Infosys

Award for Excellence, Infosys

Pride, Boeing

Skills

GoLang



Docker



AngularJS



Raspberry PI



MongoDB



Python



Languages

English
Marathi
Hindi

Interests

Home Automation

Niranjan is an avid home automation enthusiast. He has developed multiple cloud connected solutions for his own home since 2017. All the solutions involve him wiring up his own hardware, developing PCBs & then writing cloud ware from scratch.

Aquaponics

Niranjan is trying his hands at soil-less agriculture technique using the nitrogen cycle available in nature. This technique uses significantly less water & has a huge scope for automation.

Badminton

Trained for 16 years, in his prime years Niranjan played at various levels. Now uses as a venue to keep himself fit and sharp.

Gardening

Niranjan maintains a small yet diverse garden in his personal balcony. He is keen on reviving traditional techniques to get more floral yield.

Work Experience

Fullstack developer

Sep 2016 - Oct 2018

Infosys | Pune

Employed to develop internal **web applications for productivity**. This involved developing **responsive web applications** for the entire stack. While **Go** was used server side, **AngularJS** did the job on the client side. Database used was **MongoDB**.

- **Skillminer** : Web application to map the skill sets & the workforce demography.

Technical Evangelist

Oct 2009 - Dec 2016

Infosys | Mysore

Entrusted with **training** of fresh candidates on Computer Aided Mechanical Design(CAD), VBA in **CAD automation & Web development**. This entailed end-to-end training experience for the learners inclusive of course ware development, assessments, laboratory projects. Over the above mentioned span have trained over **550 candidates**.

KBE programmer

May 2006 - Oct 2009

Infosys | Mysore

For a large aerospace OEM developed **CAD automation tools**. Involved development and templating of high value virtual 3D models of critical value aircraft parts using automation **scripts**. Such scripts were run atop CAD tools like **CATIA v5**. Scripts involved developing using **VBA** that could encode business logic and apply organization rule sets to develop compliant 3D virtual geometry precisely, rapidly.

Graduate trainee, CAD engineer

Feb 2005 - Apr 2006

Infosys | Mysore

Since I'm a graduate of Mechanical engineering, Infosys mandates undergoing a full training to upskill its candidates & align them to the business needs. After having spotted my skills in CAD VBA the management decided to relieve me of my training obligations & assigned me early projects with a large aerospace client.

Side projects

Autolumin

July 2017 - Jan 2018

Is a **IoT project** that involves turning on / off **electrical illumination** based on **schedules**. Such a setup would be connected to WiFi & can be controlled from anywhere remotely. Hardware used was Raspberry Pi, while the embedded ware and cloud ware on **Go**, the handheld applications were made using HTML5 CSS3 **AngularJS**

Aquaminder

Jan 2018 - Dec 2018

Developed a complete robotic solution for a household **aquarium**. Controlling the parameters of aeration, filtration, illumination & temperature corresponding to the type of the fish and volume of water. This again involved using **Raspberry Pi**, **Go lang** for all the server side and **AngularJS** for the apps.

Reference

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