

Roshan Thomas

Computer Science is my Passion. Engineering is my Profession.

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📍 Bangalore, India

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Education

Bachelor of Engineering

Reva Institute of Technology and Management

Computer Science and Engineering

2014 - 2021

Bangalore, India

Diploma

Impact Polytechnic

Computer Science and Engineering

2011 - 2014

Bangalore, India

Work Experience

Software Engineer & DevOps Engineer

Thakral One Solutions

November 2021 - Present

India

Sub-clients: *Gemlife, Nespresso*

- ▶ TalentMaster ATS (Design Development, Full-stack)
- ▶ AWS DevOps: Configured OpenSearch, Lambda, SQS, SimpleDB, Step Functions, RDS, CodeCommit, S3
- ▶ Azure DevOps: VM task management, CI/CD pipeline development, build, deploy and test automation
- ▶ Containerization with Docker for application deployment and scaling
- ▶ Container management using Portainer for Docker orchestration
- ▶ Web server configuration and management using Nginx
- ▶ Local AWS development using LocalStack for testing and development
- ▶ WSL (Windows Subsystem for Linux) environment setup and management
- ▶ Cluster upgrades, patching, backup & recovery operations
- ▶ Linux/Unix system administration and server management
- ▶ Automation with Ansible for infrastructure provisioning and configuration
- ▶ System monitoring, troubleshooting, and performance optimization
- ▶ ETL pipeline development using Python for data processing
- ▶ Git Operations: Pull Request approvals, branch management, merge conflict resolution
- ▶ Platform Management: BitBucket, Jenkins, Platform.sh service deployment
- ▶ Data quality and consistency enforcement across systems
- ▶ Encryption and secure access implementation
- ▶ Python Dashboard Development and SharePoint Integration

Contact: Jeremy Hebblethwaite

Associate Software Engineer

Mount Carmel College

August 2021 - October 2021

India

- Website App Development
- Automated Testing Modules
- Bug troubleshooting and resolution
- Faculty and Student Information Management

Technical Trainer

Freelancer

July 2017 - July 2021

India

- C Programming and Data Structures
- Python Programming Fundamentals
- Website Development using Django Framework
- Machine Learning Concepts and Implementation

Software Engineering Intern

Larsen & Toubro, Bangalore

June 2016 - August 2016

Bangalore, India

- Worked with company internal procedures and protocols
- Network monitoring and issue reporting
- Internal ticket management system

Contact: Jagan Mohan P

Personal Projects

Password Manager (Raspberry Pi)

November 2020 - Present

Web USB

Chrome Extension

Raspberry Pi

FastAPI Application for Scheduler

2024 - 2025

Python

FastAPI

Scheduler

CRON Jobs

PostgreSQL

Traefik

Python Dashboard & SharePoint Automation

2022 - Present

Python

SharePoint API

Data Visualization

Automation

Twitter Sentiment Analysis

June 2019 - July 2020

Python

Django

Machine Learning

Implementation of IEEE Paper

June 2012 - July 2013

JSP

Java

Technical Skills

Programming & Scripting

Python

Java

C

Selenium

Shell Scripting / Bash

JavaScript

PHP

Kafka (Basics)

CSS

AWS Services

S3

RDS

Step Functions

CodeCommit

SimpleDB

OpenSearch

Lambda

Frameworks & Databases

Django

FastAPI

Bootstrap

JSP

SharePoint API

Flask

MySQL

SQLite

Pandas

Polars

NumPy

Pytest

PostgreSQL

Cloud & DevOps

AWS Cloud Platform

Azure Cloud Platform

WSL

Nginx

Azure VM Configuration

VM Scheduler Tasks

Jenkins

Backblaze

VM Service Management

Azure Pipelines

Docker Containerization

Portainer

LocalStack

GCP

Ansible Automation

BitBucket

Platform.sh

CI/CD Pipelines

Development & Automation

Linux/Unix Administration

Cluster Upgrades & Patching

Backup & Recovery

Autolt

Git Version Control

N8N

System Monitoring & Troubleshooting

Encryption & Secure Access

Data Quality Enforcement

Dashboard Development

Cron Job Applications

Task Schedulers

Languages

English

Kannada

Malayalam

Hindi

Interests

Computer Gaming

Cricket

Football

Reading Books

Python Development