

Prasanth Thomas Shaji

Computing, Distributed Systems, Application Programming

I am experienced in computational thinking, distributed systems, computer architecture, embedded systems, and application programming. I enjoy programming on *nix systems

Education

August 2021 - 2023

Uppsala Universitet

Masters Programme in Computer Science

currently pursuing

Training Neural Networks in Embedded Devices

Masters Thesis @ Scania

Reverse engineering (**Yocto/Buildroot**) Linux environments in custom i.MX6 embedded boards

Benchmarking ANN training implementations in **C** / **C++** / **Rust** / **PyTorch** and more

July 2013 - June 2017

NIT Calicut, India

Bachelor of Technology in Computer Science & Engineering

7.85

Secure Distributed Hash Tables

B-Tech Project

An implementation of a *distributed hash table* using **Raft** as the *consensus protocol* and utilising a cryptographic scheme to prevent *sybil attacks*

Experience

I maintained ad-serving systems, developed SDK integrations for Facebook (Meta Business Partner) product, migrated components from **PHP** to **Java**, configured *system orchestration* via **puppet** managing **TLS/SSL** cert distributions for the internal **PKI**, and moved the *data pipeline* from **Softlayer** to **AWS**

September 2018 - February 2020

Affle (acquired VizuryTM)

Software Engineer Brand acquired by Affle Pvt Ltd. Maintained Vizury AdTech platform in a 4 person team, migrated the **Kafka** data-pipeline over to AWS, lead FB Ad Solutions


July 2017 - August 2018

Vizury

Software Engineer I Developed features for a *FinTech CDP* app, worked on migration efforts across *cloud service providers*, set up DevOps **CI/CD** setups, codebase migrations

I have some freelance experience developing on **GitLab**, **GCP**, and the **MERN** stack. I have several hobby projects in **Swift-iOS**, **Java-Android**, and currently enjoy learning **Rust**

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