

HARISH NAVNIT

Exploring software supply chain security and building defensive security solutions.

tinvaan.me

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EXPERIENCE

Dialpad Inc. | Senior Software Engineer

Aug 2021 – Sept 2023

Bangalore, India

- Developing strategic microservice based integrations to expand the [Dialpad app marketplace](#) using *Python* & *VueJS*, hosted on Google Cloud Platform.
- Delivered \$700k additional revenue per quarter across 4 major integrations viz Salesforce, Hubspot, Zendesk & Servicenow.
- Implemented numerous on-demand bespoke customer requests in addition to on-call support to reduce churn significantly.
- Driving engineering productivity efforts within the integrations team.
 - Enabling self-hosted integrations on the Dialpad platform.
 - Set up behaviour driven tests infrastructure for backend components.
 - Transitioned to [Github Actions](#) and automated weekly beta releases.

ColorTokens Inc. | Member of Technical Staff

Jan 2020 – Aug 2021

Bangalore, India

- Contributed to architectural re-design of [XShield](#), an enterprise micro-segmentation platform, by migrating from a *monolith* to a *micro-service* based design.
- Maintained *Python/Flask* micro-services for discovery and real-time monitoring of customer assets on public clouds, viz *AWS* and *Azure*.
 - developed an interval based polling mechanism for asset discovery.
 - developed a real-time event ingestion pipeline for platform events using *serverless* functions and *custom webhooks*.

Anapi Pte. Ltd | Senior Software Engineer

Aug 2018 – Sep 2019

Singapore, Telecommute

- Joined as the first engineering hire, responsible for maintaining and releasing all software offerings in addition to onboarding and mentoring junior engineers.
- Designed a robust digital insurance API using *Node.js* deployed via *Docker* builds to *AWS*, to help online businesses enable on-demand protection through appropriate insurance products.
- Architected bulk policy purchase and claims ingestion pipelines, ensuring data sanitization for regulatory and auditory compliance.

Spectral Insights (acq nference Inc.) | Software Engineer

Mar 2017 – Jun 2018

Bangalore, India

- Integrated software components of a medical whole slide scanning device.
- Maintained the cloud interface to publish analytics for a pathology slide scan.

PROJECTS

Drone CI SDK

tinvaan/drone-python

</> Python

- Python* wrappers for the [Drone CI](#) public API.

Mazure

tinvaan/mazure

</> Python/Flask, Mongoengine

- A dynamic and stateful mocking library for the [Azure Python SDK](#).

UAV Mapper

tinvaan/qtquick-mapview

</> C++, Qt/QML, CMake

- Simulates a linear interpolated flight path for a UAV from available flight data on a *QML* mapview.

EDUCATION

Master of Science in Technology and Design (Cybersecurity)

Singapore University of Technology and Design

2023-2024

Singapore

Bachelor of Computer Science and Engineering

Amrita Unviersity

2012-2016

Amritapuri, India

ACHIEVEMENTS



Google Summer of Code 15', 16'

- Ported legacy KDE applications to newer KDE Frameworks API.
- Redesigned applications to provide convergent UI's across devices of varying form factors.



Certificate of appreciation

Acknowledged by [Amrita University](#) for continued contributions to **FOSS** communities as a student.

EVENT INVITES

FOSSASIA summit

2018

Singapore

- Delivered a [presentation](#) on creating convergent applications using the Kirigami UI framework.

Randa Meetings

2015, 2017

Randa, Switzerland

- Invited to participate in the annual KDE developers meetup to collaborate with other active members of the community.

WikiToLearn sprint

2016

CERN, Geneva, Switzerland

- Invited to participate in the inaugural WikiToLearn & KDE developer's sprint held at the CERN IdeaSquare lab.

SOFTWARE SKILLS

