

PERSONAL STATEMENT

Senior Full Stack Developer with 5 years of expertise in Flutter, Svelte, and NestJS, committed to quality, continuous learning, and honest, results-driven communication. Skilled in crafting efficient, scalable solutions and fostering collaboration for excellence in a dynamic environment.

TECHNOLOGY STACK

Languages: Dart, TypeScript, Svelte, JavaScript, Rust, HTML+CSS, Python, Kotlin

Frontend Frameworks: Flutter, ReactJS, Svelte, SvelteKit

Backend Frameworks: NodeJS, Express, NestJS, GraphQL, TypeORM

Platforms: macOS, Linux, Windows

Databases: PostgreSQL, MySQL, SQLite, Firebase

Testing frameworks: Flutter test, Jest, Vitest, Playwright, Cypress

EDUCATION

•Master degree in Computer Science

National University of Singapore, Singapore

Jan 2019 - Jun 2020

•Master degree in Engineering

CentraleSupélec, France

Sep 2016 - Jun 2020

VOLUNTARY WORK

•Stack Overflow

stackoverflow.com/users/12066144/valentin-vignal

Sep 2019 - Present

•PyroNear

pyronear.org/en/

PyroNear is a complete fire risk management solution. It consists of an early wildfire detection algorithm, implemented on a microcomputer, connected to cameras positioned on high spots with a view on the forest. Our detectors communicate fire alerts to a database that is connected to a supervision platform for the fire department.

Tools and technology: TypeScript, ReactJS, Jest

Jan 2024 - Present

- Helped to develop the front-end "crowdsourcer" application to let the crowd upload images of wildfires.
- Set up and implemented the tests for the front-end application using JEST.
- Refactored the routing system using React Router to improve the user experience.

PERSONAL PROJECTS

•Web Based Facial Authentication(Liveness Detection)

A website based facial authentication system, implemented using a Chrome Extension.

- Facilitating users' logins to websites without having to remember their credentials
- Used Live detection techniques to create high order security.
- Technology Used: Python, Reactjs, Bootstrap.

•Realtime Chat App

A react based web application which allow users to chat in real time.

- Used Firebase Authentication(SDK) to facilitate authentication & Cloud Firestore to store data.
- Technology Used: Reactjs, Firebase, Bootstrap, HTML.

•Covid-19 Tracker

Daily and weekly updated statistics tracking the number of COVID-19 cases, recovered, and deaths.

- Tracking world-wide cases using google maps and live API stats and datasets.
- Technology Used : JavaScript , CSS, HTML, API.

EXPERIENCE

•AWS Cloud Virtual Internship

Online

AICTE-Eduskills

May - July 2023

- In-depth understanding of AWS cloud computing services, including EC2, S3, RDS, Lambda, IAM, VPC, and more.
- Proficient in designing, deploying, and managing fault-tolerant, highly available, and scalable AWS solutions.
- Strong knowledge of architectural best practices, such as AWS Well-Architected Framework, security, performance, and cost optimization.
- Hands-on experience in cloud infrastructure provisioning, monitoring, and automation using AWS Management Console and AWS CLI.

•Palo Alto Cybersecurity Virtual Internship

Online

AICTE-Eduskills

Dec 2022 - Feb 2023

- Learned the fundamentals of Security Operations Center (SOC).
- Learned basics of Network & Cloud Security.

POSITIONS OF RESPONSIBILITY

•On Desk Registrations Volunteer Aarhant Cyber Week Event - RCOEM, Nagpur

Oct - Dec 2022

- Helped to attract close to 300 attendees to the event.
- Collected over Rs. 20,000 in entry fees for different activities.