

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

- Contributed to developing a front-end "crowdsourcer" app for wildfire image uploads.
- Implemented front-end tests using JEST for enhanced reliability.
- Improved user experience by refactoring routing with React Router.

OPEN SOURCE CONTRIBUTIONS

•Flutter

flutter.dev

•Go Router

A declarative routing package for Flutter that uses the Router API to provide a convenient, url-based API for navigating between different screens.

go_router

•Riverpod

A reactive caching and data-binding framework.

riverpod.dev

•Ferry

A simple, powerful GraphQL Client for Flutter and Dart.

ferrygraphql.com

•Ferry

Drift is a reactive persistence library for Flutter and Dart, built on top of SQLite.

drift.simonbinder.eu

PERSONAL PROJECTS

•animated_collection

pub.dev

A Flutter library with simple animated widgets and utilities methods to use with animations.

•Padelistas

padelistas-app.web.app, Github

A flutter application to organize padel games in Singapore.

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.