Samuel Lawerence
Lead/Senior Frontend Engineer

👤 Profile

Senior Frontend/UI Engineer with 6+ years of immense wisdom in modern frontend technologies. Proven leader in impactful projects, optimizing performance, and mentoring teams. Committed to superior front-end solutions and team development.

💼 Employment History

SDE 2 - UI at Plivo Inc., Bengaluru
April 2021 — Present

- Hands-on experience with **Electron, ReactJS, Redux, Saga, RollupJS, and Storybooks**
- Engineered a **generic component library** to maintain consistent UI across all applications
- Reduced gap between design and dev teams by using the **Figma API** to create an **Asset Generator**
- **Optimized and refactored code** to reduce tech debt and improve performance, with a focus on CSS optimization
- Managed Junior Engineers, and handled code reviews, deployments, and release processes

Senior Frontend Developer at Plivo Inc., Bengaluru
June 2019 — March 2021

- Improved page speed of Plivo website from 64 to 98 by optimizing HTML and removing jQuery
- Moved deployment infra from S3 to Netlify, reducing build time 6x (20mins to 3mins)
- Integrated with analytics platforms (GA, Heap, Hotjar) to support growth team
- Achieved 60fps pixel-perfect animations as provided by the design team
- Connected and visualized large datasets from databases via RestAPIs

Software Engineer - Web/UI Development at Burning Glass Technologies, Salem
May 2017 — May 2019

This is my first job which helped me build a strong foundation on my basics. I started as a C++ developer developing DLLs. Then I moved to the web development team where I worked with Highcharts and visualized BigData. This gave me immense knowledge of **CSS Positioning and Layouts.**

Get in Touch

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Projects and links

Personal Blog and Website
Cubic Portfolio
LinkedIn
GitHub
Codepen

Skills

Core - ReactJS, HTML5, CSS3, JavaScript, TypeScript, JSX

Frontend Frameworks - React, KnockoutJS, jQuery, JAMStack, ElectronJS

Backend - NodeJs, RestAPI, Express, Python

Data Visualization - Highcharts, D3, HTML Canvas

Problem Solving

Hobbies

Automating stuff, converting ideas to code, singing, playing piano, and producing music.

◈ Education

Bachelor of Engineering (ECE), Dr. Mahalingam College of Engineering and Technology, Coimbatore

August 2013 — May 2017

Received the Best Outgoing Student Award and graduated with a **GPA of 8.7.** This college helped be lay the foundations of my programming skills.

◈ Education

Bachelor of Engineering (ECE), Dr. Mahalingam College of Engineering and Technology, Coimbatore

August 2013 — May 2017

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★ Professional Projects

Contacto

April 2021 — Present

Contacto is an omnichannel customer service platform with built-in support for chat, calls, social, and messaging.

- Took end-to-end responsibility for features like API Integration, and In-App Chat, which are vital for the product.
- Handled the Notification API for the product, and had to consider cross-platform concerns for both Windows and Mac.
- Suggested architectural changes that improved the performance of the app.
- Created a Generic non-blocking EventBus for PubNub which is able to handle a large number of concurrent events.
- Was one of the first software engineers to develop this product from scratch.

Plivo Website

May 2019 — March 2021

Handled 2000+ page website single-handedly. Improvised the design and implementation.

- Created complex and smooth animations using **d3 and CSS keyframes** - Zentrunk Globe Animation
- Tech stack - HTML5, KnockoutJS, CSS3, VanillaJS, UnderscoreJS, Ruby, Jekyll, AJAX, D3, NodeJS, Axios, AWS S3
- URL - https://www.plivo.com/

InfraCloud.io

October 2020 — December 2020

This was a freelance project that I completed within a month. This is a project that I handled completely starting from development to deployment.

- URL - https://www.infracloud.io/

Labor Insight

May 2017 — May 2019

This is a a Labor Workforce Application where we visualized very large datasets into easily understandable charts with intuitive UI.

- Used **RestAPIs** extensively to connect with the data store
- Tech stack - KnockoutJS, KendoUI, Bootstrap4, DurandalJS, Typescript, ASP .NET
- URL - https://laborinsight.burning-glass.com/us

★ Personal Projects

My Portfolio

This is my portfolio website and blog where I post regularly.

- Tech stack - React, GatsbyJS, HTML2Canvas, UnsplashAPI, CSS3
- http://samuellawrentz.com/

Pastenser

A simple tool that would give you the past tense of an entered verb. This contains both front-end and backend development.

- Tech stack - KnockoutJS, CSS3, ExpressJS, Heroku
- URL - https://samuellawrentz.com/projects/pasttenser

Network Chart

A custom network chart built using highcharts right from scratch. This chart can be used to visualise relation between two or more components.

- Tech stack - Highcharts, Vanilla JS, SVG
- https://samuellawrentz.github.io/highcharts-networkChart/

Offshore Writings

Secondary personal blog which has motivational articles and poems and is updated regularly.

- Tech stack - Wordpress
- URL - https://offshorewritings.com/

👥 Internships

Software Engineer Intern at Burning Glass Technologies, Salem

December 2016 — March 2017

This internship helped me to understand what programming would look like in the software industry. This eased my transition from college into the professional world.

★ Declaration

All the above mentioned are true to the best of my knowledge.