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david_scholer

For an animated experience, please check out the web format of my resume at DavidScholer.com

cover letter

Hello! I am David, a multi-device, full-stack, senior front-end software engineer and embedded systems developer. I have experience programming all kinds of devices: micro-controllers, POS systems, phones, smart watches, car apps, desktop apps, UPS scanners, and others. I also have extensive experience building web applications, web sites, and mobile apps.

I started my path by originally studying Electrical Engineering in college. My studies and being on the robotics club helped give me a foundation of understanding how the technologies that we use work from the physical layer to the application layer. While attending college, I wrote a number of UIs and animation intensive websites using core vanilla web technologies. Along with my studies of Networking, working with Linux, and some experience in graphic design, I have solidified my understanding of how front-end technologies work on a lower level, though I'm always still learning something new.

Front End Skills

UI/UX Design
System Design
Project Management
Source Control
Web Technologies
Graphic Design
Api Integration
Authentication
Caching
Linting
State Management
Component Testing
Unit Testing
Automation Testing
Containerization
Bundlers
Native Mobile Development
CI/CD
CDNs



david_scholer
Senior Front End
Full Stack
Software
Engineer

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A scalpel on the front end, proficient on the back end, with a decade of experience writing software.

When I'm not writing software, I'm growing my knowledge of computer networking, electronics engineering, and getting up to speed with AI/LLMs.

In short, I am a believer in a growth mindset, open communication, and a hard days work.

Comprehensive Programming Experience

Micro-controllers

ATMEGA128
ESP32

Fundamental Concepts

Linux
Design Patterns
Data Structures
Common Algorithms
Networking
System Architecture

Deployment and CI/CD

Git
Flask
Terraform
Ansible
Jenkins
Github Actions
Nginx
Gunicorn

Languages

Typescript/
Javascript/
ES6

Python
Bash
Java
HTML
CSS
C
SQL
Kotlin
Swift

Objective-C

XML

Ruby

CDNs

AWS
Heroku
Google Cloud
On-prem

Testing Frameworks

Jest
React Testing Library
Storybook
Playwright
Selenium
Puppeteer
Pytest
Mocha
Cypress

Database Technologies

PostgresQL
MySQL
SQLite
Psycopg
SQLAlchemy
DjangoORM
MongoDB
Prisma

Work Experience

Nimbio Labs

Software Engineer II

2022 - 2024



Nimbio Labs is a software company that also had it's own hardware. We specialized in security tech for property access for both home and commercial use. My main position at Nimbio was working with other companies to build and integrate APIs to connect their services and products with ours. The two most prominent companies I worked alongside with were UPS and Alfred Inc. Outside of the API integrations, my other major role was the primary site reliability engineer. I would create new features, fix and refactor existing bugs, and assist with maintaining the mobile app for Android and iOS.

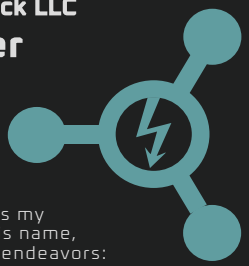
My biggest claim to fame working there was I built an app for UPS with near perfect QA reviews. UPS drivers in New York City still use it daily saving them up to hours a day.

I had a wonderful time at Nimbio. It challenged me perfectly and I had great mentors. Management shakeups within USPS seized an ongoing contract negotiation causing funding to be pulled. 95% of the staff were laid off including the CEO. Otherwise, I would have loved to have stayed in that role.

SocketShock LLC

Founder

2024 - Present



SocketShock is my LLC. Under this name, I run multiple endeavors:
David Scholer
- Contract work and freelance projects.
ApiUFO
- A series of many API focused applications I have deployed. These apps include a variety of marketing strategies including affiliate marketing and ads.
HackRec
- Video walk-throughs of popular programming libraries. This one has low monetary gain so I don't get around to working on this much.

Agora

Full Stack Developer

2022



Agora was essentially a contract position based out of Vancouver, B.C. I worked on a website that sold physical goods from private sellers to customers, similar to Etsy for concert attire. I implemented the payment system (Stripe) and the shipping API (2Ship). My tenure at Agora didn't end well. They hit some funding issues and after a late paycheck that I had been waiting for for over three weeks and counting, I was obligated to refuse to work any further until I was paid. I left short-atter.

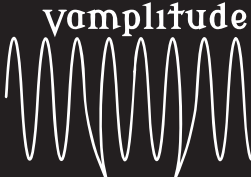
My time there wasn't all bad, however, as I did gain the experience and was able to implement some APIs for production.

Vamplitude

Full Stack Developer

2017 - 2022

Vamplitude is the name I previously used for writing freelance software and e-commerce applications before creating my LLC. During this time, I created many websites, website integrations, and applications for iOS, Android, Clover and Square.



Ladro

Manager

2014 - 2020



I ran a high volume coffee shop next to the Space Needle while finishing up school and getting my programming career rolling. While this isn't a programming specific job, it was absolutely vital to helping me expand my management experience and team leadership skills. Being a team mediator, training employees, organizing people, ensuring the employees were efficient but still maintained a healthy work/life balance were all hard skills that translate to any management position.

This position was more small business owner than manager. I was responsible for hiring, training, and managing a team of 10+ employees in a fast-paced environment. I was responsible for all of the day-to-day operations of the store including: keeping track of all of the financial data, training, inventory, and scheduling. Utilizing my software skills, I wrote custom software to help me with inventory, scheduling, and waste that led to increased profit margins every quarter while I was there.

Selected Projects

The Nimbio App

I am not the core creator of the Nimbio app but I have refactored roughly 80% of the front-end code base throughout my time at Nimbio and created the new UI, working alongside our graphic designer and QA team. Both the mobile app and web app use websockets for a persistent connection. I also fully implemented native modules into the mobile releases allowing React Native to interact with the device hardware, bridging the gap between writing the code in React Native versus their native Swift/ObjC (iOS) and Kotlin/Java (Android).



nimbio.com

- Live data updates (wss)
- Swift
- Kotlin
- Typescript
- Redux
- Graphic Design
- UI
- Python
- Micro-controllers
- Ansible
- Nginx

Dill Fresh

Dill Fresh is my latest project. This is an app designed for mobile devices, built for a client where I served as the project manager as well as handling the CI/CD pipeline and deployment. It is currently in beta and is seeking funding but is live for demo.

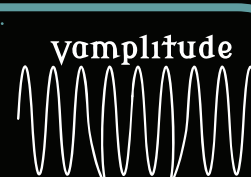


app.dillfresh.com

- React 19 and React Native Front End
- Python/Django and PostgreSQL back end
- Google APIs
- Testing: Unit, End-to-end, Regression
- Persistent Data Updates (http)
- Analytics - Notifications - SMTP

Vamplitude

I like to call Vamplitude my "front end fun house". I wrote it in production. I have many like it. The front ends use caching and common layout practices utilizing popular front-end frameworks and UI libraries. This one has most of the features one would need for API functionality: pagination, menu options, filter options, and a search bar, to name a few. The API used here is from the Metropolitan Museum of Art in New York City, one of my favorite museums. I can do these types of apps in my sleep. Sometimes, I do!



vamplitude.com

- Vanilla JS
- HTML
- CSS/SASS
- Animations
- Responsive
- Graphic

The Met Collection

An example of one of my API focused applications in production. I have many like it. The front ends use caching and common layout practices utilizing popular front-end frameworks and UI libraries. This one has most of the features one would need for API functionality: pagination, menu options, filter options, and a search bar, to name a few. The API used here is from the Metropolitan Museum of Art in New York City, one of my favorite museums. I can do these types of apps in my sleep. Sometimes, I do!



themet.apiufo.com

- APIs
- Caching
- Authentication
- CRUD (PostgresQL)
- Versioning
- Source Control
- DevOps

Education

Seattle Central College

Associate of Science - Dean's List

2008 - 2017



While in school, I maintained a respectable gpa while working 40+ hours a week to pay tuition, rent, and other bills. I had to take many courses that were too much to handle at the same time. Many of my professors at Seattle Central had taught or were teaching at UW as well so I spent close to 5 cumulative years (in terms of credits) there concurrently working on my bachelor's degree at a cheaper tuition rate and smaller class sizes.

North Seattle College

Full Stack Developer Certification

2018



In lieu of my last year at University, I took the Full Stack Developer Certification course at North Seattle College. I already had nearly all of the required classes needed so the tuition was doable. It was a great experience and I learned a lot.

University of Washington

Electrical Engineering - Incomplete

2017 - 2018



I had attempted to complete my bachelor's degree but having no financial help, the tuition and course load were too much to handle at the same time. Everything I have learned since college was just the beginning of my true studies in software engineering and app development.