TIMOTHY WILLIAMS
SOFTWARE ENGINEER

CONTACT

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SKILLS

Front End: React - JavaScript (ES5 and ES6) - TypeScript - CSS - HTML5 - jQuery - Redux - Angular
Back End: Express - Node.js - Next.js - Vite - RESTful API - SQL - MongoDB - PostgreSQL - MySQL - Java - Spring Boot - JJWT - AWS Lambda - Apache Tomcat - Django
Testing/Deployment: Jest - Mocha - Chai - Puppeteer - AWS - Nginx - Azure
Platforms and tools: Git - npm - VSCode - Webpack - Babel - Maven - Gradle - IntelliJ IDEA

LANGUAGES

Java ◆◆◆◆◇
JavaScript ◆◆◆◆◇
Python ◆◆◆◆◇

PROJECTS

The CampSite   2022-2023
Developed social app for campsite finding (React, Node.js, RESTful API, AWS, PostgreSQL, Redux) using agile principles
- Collaborated with a team of 5 software engineers to design, wireframe, and create the frontend and backend
- Implemented React frontend, JavaScript Node.js backend with an express API server, and PostgreSQL database
- Utilized CircleCI for continuous integration and pipeline tracking

Atelier   2022-2023
Developed e-commerce web app (React, Node.js, RESTful API, AWS, PostgreSQL, Nginx)
- Designed and implemented the questions and answers API, following modern marketing best practices
- Migrated a large database with 30 million+ rows to PostgreSQL
- efficiently Optimized server performance using Nginx load balancer and 2 EC2 T2 micro AWS instances running Express servers, achieving 1000 RPS with an average response time of 100 ms (compared to 400 RPS and 100 ms response time previously)

Rental Analyzer: Frontend Backend   2023
Developed real estate financial analysis web app (React, Material UI, React Router, Vercel, AWS Lambda, Netlify)
- Enabled investors to analyze rental properties for profitability based on their investment criteria
- Implemented serverless function backend using Netlify and AWS Lambda
- Utilized Material UI and CSS for consistent styling and seamless integration
- Deployed frontend on Vercel and backend on Netlify for scalable infrastructure

Budget App: Frontend Backend   2023
Developed budget app (Angular, SCSS, Angular Material, Chart.js, Java, Spring Boot, JJWT, Postgres, JPA, Azure, Apache Tomcat)
- everyday budget application allowing users to track spending, view expenses, edit/delete expenses, visualize data with charts, and export expenses to CSV
- Designed and implemented functional and visually appealing frontend using Angular, Angular Router, Angular Material, SCSS, and Chart.js
- Built secure Java backend with Spring Boot, JJWT, JPA, Apache Commons CSV, and PostgreSQL database Implemented JWS authentication with RS256 encryption for secure access to logged-in routes Enabled CSV budget data download using Apache Commons CSV and Angular HTTPClient
- Deployed on Microsoft Azure virtual machine with Apache Tomcat web server Load tested to handle over 900 RPS.

PROFESSIONAL EXPERIENCE

Best Buy Geek Squad - Geek Squad Agent   2023-Current
- Diagnosed and resolved complex technical issues for customers, ensuring optimal performance of their electronic devices.
- Collaborated with team members to troubleshoot and repair hardware and software problems, resulting in enhanced customer satisfaction.
- Conducted in-depth analyses of computer systems to identify vulnerabilities and security threats, implementing effective solutions to safeguard sensitive data.

Legal Intern - FR Law Group   2021-2022
- Read and analyzed countless legal documents to understand the importance, judgements, and inner workings of case law to integrate into logical arguments
- Found holes, logical fallacies, and bad precedent in opposition's arguments to be used in responses
- Drafted legal documents such as demand letters and court filings for various practicing attorneys

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EDUCATION AND CERTIFICATIONS

HackReactor   2022-2023
- Intensive 12 week advanced software engineering bootcamp
- Learned in depth about numerous languages libraries, and frameworks including but not limited to JavaScript, HTML, CSS, jQuery, React, Node.js, Redux, TailWindCSS as well as many others and put them all to use on numerous projects.
- Recieved Advanced Software Engineering Certificate

Arizona Christian University (Formerly Southwestern College)   2018-2022
- 3.86 cumulative GPA, Summa Cum Laude
- 165 LSAT for Law School (90th+ percentile)

Meta Front-End Developer Professional Certification   2023
- Rigorous 160+ hour certification program created by Meta covering all aspects of front-end development with a particular focus on Continuous Integration, testing, and React and various React libraries.

IBM Back-End Development Professional Certification   2023
- Rigorous 200+ hour certification program created by IBM covering all aspects of back-end development with a particular focus on SDLC, containerized applications, Python and Django, and Microservices and Serverless.