VIVI NGUYEN

SOFTWARE ENGINEER

Throughout my 5-year career, I have focused on developing scalable and well-documented code. Being highly organized and an enthusiastic learner has been my biggest strength as a programmer.

CONTACT INFO

vivinguyencodes@gmail.com

https://www.vivinguyen.me/

https://github.com/CatonNip

+1 (425) 998-3544

CORE COMPETENCIES

- C# (.Net, Xamarin/MAUI), Java, Python (Django, Tensor Flow), Ruby (Rails), JavaScript (ES6, Vue, Node.js, Typescript), HTML, CSS, PHP (WordPress)
- CI/CD (GitLab, Azure DevOps, Docker)
- Cloud (Azure, AWS)
- Database and ORM (SQL, Entity Framework, Linq)
- SCRUM, Agile, TDD, Empathy-Driven Development
- Sketch, Figma, Moqups, and Lucid Charts
- Technical writing
- Project leading and mentorship

EDUCATION

Dev Bootcamp
CODING BOOTCAMP | 2017

Fullstack Web Development coding bootcamp with a focus on Ruby, RESTful APIs, and Algorithms

Folsom Lake College
COMPUTER SCIENCE

WORK EXPERIENCE

Software Engineer
EDUWORKS CORPORATION | FEB 2022 TO JULY 2022

- Tech Stack: Node.js, Typescript, Vue, Docker, Kubernetes, Python, TensorFlow, Rasa
- Responsibilities:
  - Built, tested, supported, and maintained applications, databases, and natural language models.
  - Set up CI/CD for projects using Docker and GitLab
  - Participated in and presented biweekly dev talks

Full Stack Developer
COMPUTER DEDUCTIONS INC | MAR 2021 TO FEB 2022

- Tech Stack: C#, Java, Xamarin, WPF, HTML, CSS, JavaScript, jQuery, Ajax, Bootstrap, Material, .Net, Xamarin/MAUI, AWS, Azure, Linq
- Responsibilities:
  - Passed required security background checks
  - On-call 24/7 365 for any technical emergencies
  - Built, tested, and maintained applications, databases, and pipelines for projects
  - Delegated tasks and directly supported customers w/ technical issues

Full Stack Developer
MLJ ENVIRONMENTAL | FEB 2020 TO DEC 2020

- Tech Stack: HTML, CSS, JavaScript, jQuery, Ajax, Bootstrap, Material, .Net, AWS, C#, Linq, SQL, Kendo
- Responsibilities:
  - Wrote, tested, and maintained web applications and databases
  - Created informational/tutorial videos for company software
  - Documented the systems I helped build

Web Developer Intern
GEI CONSULTANTS, INC. | JUN 2019 TO JAN 2020

- Tech Stack: HTML, CSS, JavaScript, jQuery, Ajax, Bootstrap, Java, Spring, Oracle SQL
- Responsibilities:
  - Wrote and review front and back-end code
  - Worked with team to define and prioritize projects

PERSONAL ACCOMPLISHMENTS

Self Supported Bicycle Tour, 6 Months, 4000 Miles

SACRAMENTO, CA TO NEW YORK CITY, NY | MAY 2023 TO NOV 2023

Not many can say that they've cycled across the USA and even fewer can say they did it with their 60lbs husky. Fortunately, I can and the personal growth I gained is invaluable. I developed a comfort in experiencing discomfort. More importantly, it taught me to break down huge problems into small chunks. Suddenly a problem that seemed so large becomes manageable. As one may suspect, bringing a dog created an additional layer of complexity that my partner and I had to continuously problem-solve for. I'm ready to put my energy and skills into building meaningful things.

PROJECTS

Eduworks Corporation

COMPETENCIES AND SKILLS SYSTEM (CASS)

CaSS is used as a competency framework in a multitude of projects.

- **CaSS - Supporting Developer**
  - Contributed to in-house libraries using Vue, Node.js, and Typescript to build reusable components which increased the speed of development.
  - This was the first time I contributed to an open-source project at this scale and learned how important security considerations are.
- **Automated Team Simulation for TalentCaSScade- Lead Developer**
  - Using Vue, Node.js, and CaSS I built a way to auto-populate an instance of CaSS with users with various skills.
  - These teams would be run through various simulations which allowed managers or leaders to see how to best improve the team compositions or which skills are lacking
  - The company was able to add this feature to their paid version of CaSS called TallentCaSScade

SKILLSYNC- SUPPORTING DEVELOPER

Built additional features requested by the client using Vue and typescriptAssisted in refactoring code in a timeframe that allowed the client to demo the project early

ASK EXTENSION AI CHATBOT - SUPPORTING DEVELOPER

This project contained a repository of 500K questions answered by 7.7K Extension experts. The chatbot is a way for users to get common questions answered while granting the experts time to answer new questions.

- Built the chatbot front-end using Rasa and Vue as a widget so it can easily added to any of the Extension sites
- Contributed to the back end by working with my team to build and train a natural language model.

Computer Deductions Inc.

CA DEPARTMENT OF MOTOR VEHICLES

This project supports California DMV card production, media uploads, searches, data correction, and biometric validation.

- **Tablet Image Retrieval - Lead Developer**
  - .Net application built for DMV field technicians to easily compare the submitted driver's license information with any past occurrences the applicant may have.
  - This was my first solo project at CDI. It introduced me to CDI's infrastructure and helped me calibrate my time estimates.
- **Fingerprint Matching Study - Lead Developer**
  - .Net Framework console application that retrieves photo and fingerprint binaries from submitted and current driver's licenses. I familiarized myself more with Neurotech's SDK which is vital as it's what we use in other projects as well for biometric matching.
- **Web Enrollment - Supporting Developer**
  - Maintained and supported current builds of DMV's web enrollment service used to renew licenses.
  - Built new feature requests such as a fingerprint match rating RESTful API and a SOAP service to retrieve and decrypt applicant data.

QUID PLUS/CLEW - LEAD DEVELOPER AND CUSTOMER SUPPORT

The QuID Plus/CLEW CDI's Livescan system is used to quickly identify people either out in the field or in jail.
- .Net Framework Windows Presentation Foundation application built for DMV field technicians to easily compare the submitted driver's license information with any past occurrences the applicant may have.
- Currently, there are over 350+ installs of this software being used around the USA.
- The domain was entirely new to me and I focused on understanding the needs CLEW was fulfilling for clients, how the software itself works, and learning about the conventions CLEW was built upon. I took on as much as I could each day and learned how to feel comfortable while being in an uncomfortable situation.

JCTMC - LEAD DEVELOPER

CDI's version of an Automated Fingerprint Identification System (AFIS). Built-in Java to be customizable, reliable, and traceable. A legacy project I inherited.
- I was able to improve my Java skills and how to be flexible jumping from project to project while maintaining a 15-year-old code base.
- 10+ installs at US police departments

MOBILE ID AND IDP SESSION MANAGER - LEAD DEVELOPER

Mobile ID is integrated with CLEW and JCTMC to allow law enforcement or coroners to identify individuals. IDP Session Manager allows users to sign in using their Azure AD with the addition of NFC card reading for 2FA.
- Built both applications using Xamarin for IOS and Android.
- I learned more about how identity providers work using MSAL and dive into the Android lifecycle.

MLJ Environmental

MLJ DROPLET - LEAD DEVELOPER AND TECHNICAL SUPPORT

I built this .Net framework web app that used AWS RDS, S3, and EC2 to provide secure file sharing and storage between MLJ staff and their clients.

- Telerik's file manager and grid were added to improve visibility for visually impaired users
- This was my first time using AWS so I learned a lot setting it up. This allowed the company to cancel its Dropbox Business subscription.

GROUND WATER SAMPLEING APP - LEAD DEVELOPER, TECHNICAL SUPPORT, AND TUTORIAL VIDEO PRODUCER

Built with the typical farmer in mind. Designed to make it easier for farmers to keep track of various additions to their land such as pesticides so they can easily stay up to state regulations. .Net framework web app that uses AWS's RDS, and EC2.

MLJ WEBSITE - LEAD DEVELOPER AND TECHNICAL SUPPORT

For my first solo project at MLI, I built and designed their website using WordPress and PHP. Integrated ActiveCampaign workflows to properly direct incoming contact requests to the appropriate party.

SUBSCRIPTION MANAGEMENT PORTAL - LEAD DEVELOPER AND TECHNICAL SUPPORT

.Net web application built for farming coalitions to monitor the enrollment status of their members.

GEI Consultants, Inc.

CA DEPARTMENT OF WATER RESOURCES SGMA PROJECT - SUPPORTING DEVELOPER

Java Spring web application where I contributed additional functionality requested by clients, such as calendars and appointment booking.

OUTREACH PORTAL - SUPPORTING DEVELOPER

Several Java Spring web applications were built for different groundwater conservation agencies to reach out to their respective communities.

REAL TIME FLOOD SIMULATOR - SUPPORTING DEVELOPER

Java Windows application used to simulate flooding on a shapefile map. Working on this application exposed me to the world of shape files and some government APIs where one can retrieve information about rainfall around the state of California. It allowed us to predict whether populated areas would be flooded.