AHSAN SHAHID

Full Stack Software Engineer
ahsanshahid.com

linkedin.com/in/shahidahsan
a9shahid@uwaterloo.ca
github.com/shahidahsan

SKILLS AND QUALIFICATIONS

- **Languages:** HTML5, CSS3, JavaScript (ES6), TypeScript, PHP, Java (Basic Proficiency)
- **Development:** React.js, GraphQL, Redux, Node.js, Vue.js, Laravel, jQuery, Bootstrap, WordPress, PostgreSQL, Google Cloud Platform (GCP), JSON, Typescript, RESTful API, Object Oriented Programming, SOLID, MVC, Agile/Scrum, Linux/Unix, NPM, Yarn, Bash, Grunt, Gulp, Git, JIRA, Jenkins
- 5 years of experience in software development shipping impactful features resulting in strong problem-solving and critical thinking skills
- Thorough knowledge of data structures and algorithms to solve real world problems
- Excellent written and oral communication acquired through technical documentation and client presentations

TECHNICAL EXPERIENCE

Full Stack Developer   Freelance | April 2022 – Present

- Independently planned, designed and implemented web applications to increase the consumer base and online presence for local business owners, leading to an increase in conversion by **12%**
- Developed critical features such as filter, search and payment using **Test Driven Development (TDD)** with **Node.js** on the backend along with **GCP** and **React** on the frontend
- Revamped mobile experience for web projects using responsive web design practices and accessibility
- Successfully increased page load speed by a minimum of **63%** using media and content optimization techniques such as lazy loading, caching and minification

Full Stack Engineer   ModiFace | Aug 2020 – April 2022

- Implemented performant features using **Laravel** and **VueJs** for the CMS that powers ModiFace Beauty AR SDK, used and trusted by top global beauty brands including L'Oréal
- Developed performant analytics data pipeline using **GCP** services, **Apache Beam (Java)** on the backend and **TypeScript** on the front-end to significantly increase insights about the product usage
- Crafted the interactive feature for adding makeup filters in a video calling application
- Designed and deployed a scalable dashboard to the CMS application that allows users to conduct virtual nail polish try-ons, attracting traffic for thousands of users

Full Stack Developer   Núcleo | Jan 2020 – April 2020

- Initiated and led evaluative research for all aspects of application branding, design and functionality for 3 large projects, resulting in key features, architecture documentation and success metrics
- Rapidly shipped production-ready projects within 2 - 3 weeks by building features iteratively using **HTML**, **CSS, jQuery** and **Bootstrap** within an Agile environment
- Built fully customizable admin section and option pages for clients using **PHP** and **WordPress** CMS

Lead Web Developer   Presentation Studio | Oct 2019 – Dec 2019

- Proposed a thorough website development plan through collaboration with the leadership, design, marketing and content teams
- Owned and led the website development from inception all the way to deployment using **HTML**, **CSS, jQuery** and **PHP**
- Developed completely customized WordPress theme and shortcodes to achieve the desired design using **WordPress** codex

Embedded Firmware Developer   Miovision | Sept 2018 – Dec 2018

- Drastically revamped multiple test fixture platforms with **MEAN (Mongo, Express, Angular, Node)** stack reducing technical debt and duplicated code by **40%**
- Synthesized firmware for SD Card testing fixture with **TI MSP430** microcontroller using **C**, reducing faulty SD card failures by **30%**

Applications Engineering – Robotics   Avidbots | Sept 2017 – Dec 2017

- Developed various cleaning plans for the **Neo Robot**, improving cleaning efficiency by **22%**
- Utilized image processing with **OpenCV** to calculate the area of cleaning plans in square feet
- Used **React** and **MySQL** to create data-driven dashboard visualizations to showcase robot cleaning efficiency

Software Engineering Intern – Full stack   Ingle International | Jan 2017 – Apr 2017

- Streamlined the process for adding new products to the insurance platform by implementing the groundwork abstractions in **Laravel** and reusable components in **React**, with state management in **Redux**
- Successfully integrated new custom functionality to the **REST API** using **Laravel** Framework, ensuring high security and well-designed API endpoints

LAMP Developer   Horizn Studios | May 2016 – Sept 2016

- Designed and implemented production ready internal tools that significantly reduced development time by **65%** for repetitive tasks
- Developed key features for a learning platform with **PHP** and **JavaScript**
- Used **Ionic framework** and **AngularJS** to resolve **10+** critical Android app bugs, resulting in a smooth mobile app experience

CMS QA Analyst Coop   Rakuten Kobo | Sept 2015 – Dec 2015

- Designed and implemented numerous automation test cases with **groovy,** enhancing test coverage
- Crafted a variety of **bash** scripts for server health monitoring and storage management to provide high-quality metrics, significantly improving the on-call engineering process by **57%**

Intranet Web Developer   Matcor-Matsu Group | Jan 2015 – Apr 2015

- Built and deployed a business card web application using **HTML**, **CSS**, **PHP** and **MYSQL**
- Eliminated **60%** of unnecessary code by converting old procedural code to object oriented code

PERSONAL PROJECTS

- **YouTube clone:** Built a YouTube clone using ReactJs and RapidAPI.
  Project Link: https://verdant-tartufo-b8ffdc.netlify.app/

- **NFT Dapp:** Created a NFT Dapp that allowed connection with a crypto wallet and NFT minting functionality. Dapp was built using ReactJs and solidity. The NFTs contained unique combination of food, color and celebrity names.

EDUCATION

University of Waterloo   Waterloo, ON | Sept 2014 – Jun 2019

Graduated with Bachelor of Applied Science, Electrical Engineering (Honors)
Relevant Courses: Data Structures and Algorithms, Digital Circuits