YOUMING LIU

Senior Full Stack Developer

📞 +1 (435) 363-9580   @ youmingliu39@gmail.com   🔗 linkedin.com/in/youming-liu421

📍 Ellenton, FL

SUMMARY

Youming has over 15 years of experience in ranging from **Web** and **Mobile** development to **Optimization Problems**, **Machine Learning** and **Data Science** with a strong focus on **Full-Stack** web applications. He specializes in **Python**, **Typescript**, **Django**, **Node.js**, **Express**, **Nest** and **React, React Native**, **Vue**, **Angular** with expertise deploying to both server and serverless environments on **AWS**, **GCP** and **Azure**. He also works with relational databases and large datasets. Youming is the type of developer who can quickly comprehend business requirements and turn them into valuable software.

EXPERIENCE

Team Lead

Xpanse

📅 04/2020 - Present   📍 Bellevue, WA

Xpanse is Software Development company maximizing efficiencies through data accuracy and automation.

- **Led** a team of 7 members while performing **code reviews**, **scrum planning**, writing technical documentation for newcomers and managing the tickets on the board.
- Designed and built robust **REST APIs** with **Python-Django Back-end** systems by following the **Serverless Architecture** based on **Amazon Web Services Lambda, S3, API Gateway and SQS.**
- Developed pixel perfect web and mobile frontend of **LMS** which processes data visualization and model using **TypeScript**, **React**, **Apollo**, **GraphQL**, **Node.js**, **Ruby on Rails**, **Postgres** and **Material UI.**
- Spearheaded the **transition** of social web application from the old **Angular** application to a new **React/Next.js** app.
- Implemented **microservices architecture** to upgrade efficiency of **CRM** system by 40%.
- Led marketplace **Android** and **iOS** applications using **React Native** from scratch with develop team.
- **Mentored** junior team members through pair programming to boost the team performance.

Senior Full Stack Developer

Toptal

📅 05/2016 - 04/2020   📍 Miami, FL

Toptal is a network of the world's top talent in business, design, and technology.

- Developed and maintained web applications for internal teams built with **Python**, **PHP**, **React.js, NextJS** and **Typescript**, **NodeJS**, **Golang, NestJS**.
- Developed the **Front-end** for a **PaaS** solution that connects clients with insurance providers using **ReactJS** and **Redux**.
- Developed serverless web applications with **AWS Services** like **AWS Lambda**, **DynamoDB**, **S3**, **SNS, EC2**, and so on.
- Led development of complex key features and moved repositories to the **Nx Monorepo**.
- Participated in **Mobile Development** and created **Android** version of existing **iOS** app.
- Created the Desktop App for browsing **AWS S3** files using **Electron**.
- Promoted experience with **Kubernetes**, **Docker**, **Firebase** and **TDD** environment.

Full Stack Developer

AIS

📅 08/2013 - 05/2016   📍 Reston, VA

AIS is an IT Consulting company specializes in IT transformation for large commercial and federal enterprises.

- Designed and developed **Back-end RESTful APIs** using **Node.JS**, **Express**, **Nest.js**, **PHP**, **Laravel**, **Python**, **Django**, **Flask, MongoDB**, **PostgreSQL**, **MySQL**, **Redis**, **AWS** and **Firebase**.
- Translated **Figma**, **Adobe XD** designs to **pixel-perfect** and fully **responsive** design using **JavaScript**, **TypeScript** and its libraries **React, Vue, Angular and HTML**, **CSS, SCSS** and **LESS**.
- Migrated a healthcare web application from the **LAMP** stack application to a modern **MERN** stack app.
- Implemented **real-time communication** functionalities using **Web Socket** technology.
- Implemented **Stripe API integration** with payment flow, trial periods, monthly and yearly subscriptions, and withdrawals.
- Created automated testing framework in **Jest**, **Mocha** + **Chai** + **Simon** for **unit testing** and **e2e UI testing**.
- Implemented **CI/CD pipelines** in each step of the development cycle which improved integration and delivery towards **agile methodologies**.

EXPERIENCE

Web Developer
Dexian

📅 04/2012 - 08/2013   📍 Reston, VA

AIS is an IT Consulting company specializes in IT transformation for large commercial and federal enterprises.

· Transformed design mock-ups into **HTML5/CSS3** layouts and created **Responsive Web** libraries by utilizing the main styling tools and stuffs in **agile development** team.
· Supported and improved the UI of internal tools to manage the backend of a big Scandinavian telecommunication provider using **JavaScript**, **Angular**, and **React**.
· Participated in development of **Ecommerce** and **CRM** systems with **Drupal**, **WordPress** and **OOP**, **MVC** structure, **Laravel, SQL, Git** and followed **Pixel Perfect** design and implementation.
· Cooperated with the **UI/UX** department to create a new look and feel for the website, implemented changes with **jQuery** library extensions, **Ajax** & **CSS**.

EDUCATION

M.S. in Computer Science
Unversity of Pittsburgh

📅 04/2011 - 04/2012   📍 Pittsburgh, PA

B.S. in Computer Science
Sun Yat-sen Univeristy

📅 04/2007 - 03/2011   📍 Guangdong, China

SKILLS

| Javascript | Typescript | Python | PHP | Java | C# | HTML5 | CSS |

| React | React Native | Vue.js | Angular | Next | Gatsby | Redux | Zustand |

| SCSS | LESS | Material UI | Tailwind CSS | Ant Design | Chakra UI | Styled Component |

| Node.js | Express | Nest | Laravel | Spring Boot | Django | .NET |

| MySQL | PostgreSQL | SQLite | MsSQL | Redis | MongoDB |

| Github | Gitlab | Jira | CI/CD Pipeline | TDD | Jest | Unit Testing | E2E Testing |

| AWS | Google Cloud Platform | Microsoft Azure | Docker | Kubernetes |