Paul Hay

Senior Software Engineer

📞 +1 (626) 226-7562 @ paulhay125@gmail.com 🔗 https://www.linkedin.com/in/paul-hay-41289b80
🔗 https://github.com/paulhay125 📍 San Gabriel, CA, USA ☆ https://paulhay125.github.io

WORK EXPERIENCE

Full Stack AI Engineer
Verticul 08/2023 - 06/2024 CO, United States

- Engineered a **GPT-4 chatbot** utilizing **LangChain**, resulting in a 40% improvement in customer support efficiency and feedback analysis
- Enhanced user verification processes through AI-driven facial recognition and document analysis, while implementing adversarial strategies to strengthen content moderation
- Designed and deployed **NLP** models for sentiment analysis and topic modeling, achieving a 40% enhancement in customer feedback evaluation
- Achieved a 40% reduction in page loading times, significantly boosting performance on low-end devices
- Optimized **SQL** queries to streamline data retrieval processes, reducing response times by 30% and enhancing overall user experience

Lead Full Stack Developer
Pwrteams 08/2021 - 03/2023 Kyiv, Ukraine

- Coordinated closely with a team of 5 members to develop the company's intranet system using **React**, **Vue**, **Angular** & **NgRx**, **Node**, **Express**, and **MongoDB**
- Constructed health insurance apps for clients to compare the best medical options near their homes
- Exhibited familiarity with JavaScript frameworks and libraries that support efficient web development
- Crafted custom plugins, templates, and functions for the **AngularJS** application
- Transformed requirements into a responsive, dynamic web app utilizing **Angular**, **Laravel**, and **MySQL**
- Integrated app functionality with **REST/SOAP** and other APIs for **Google Maps**, social media logins, payment processors, and other services
- Collaborated with back-end developers to design **REST API**s and facilitate the deployment of applications to the AWS environment
- Delivered a low-cost, high-quality solution, which proved to be an incredibly rewarding experience
- Converted **UI/UX design** wireframes into actual code that produces the visual elements of the application
- Oversaw 10+ projects, including **eCommerce** sites and analytics sites for game players, managing their progress
- Utilized the **DAO Design Pattern** and employed **Agile development** methodology throughout the software development process
- Engineered a referral system that sends out referral emails and tracks users' points, saving the startup $3,000 per month on subscriptions compared to the previously used service, while proving to be more reliable

Machine Learning Engineer
Tech Yard Solutions 08/2019 - 03/2021 Orlando, FL, United States

- Worked alongside back-end developers in the process of building the **RESTful API**
- Developed full-stack applications using **React**, **Node.js**, and **Express.js**, ensuring high performance and user satisfaction, reflected in a 30% increase in positive user feedback
- Integrated real-time databases with **Firebase** and employed caching solutions using **Redis**, reducing server load by 40%
- Launched applications on **Vercel** and **Microsoft Azure**, maintaining efficient continuous integration and delivery pipelines, which reduced deployment times by 50%
- Participated in code reviews and team meetings to promote best practices, resulting in a 20% reduction in bugs reported post-launch
- Engineered machine learning models using **TensorFlow**, **Keras**, and **PyTorch**, increasing predictive accuracy by 15%
- Developed chatbots utilizing **OpenAI** and **LLM** technologies, improving customer interaction efficiency by 35%

SUMMARY

Experienced Full Stack Engineer with **10+** years of expertise in **designing**, **developing**, and **deploying** web applications.
Proven expertise in system testing, involving process development, automated testing, diagnostics, and root-cause identification.
Committed about staying **up-to-date** with the latest trends and best practices, and continuously expanding my skills to tackle complex challenges.

SKILLS

Programming Languages

JavaScript / TypeScript Python / Go / PHP

C / C++ / C# Java / Ruby

Frameworks & Libraries

React.js / Next.js Vue.js / Nuxt.js

Angular Node.js / Express.js / Nest.js

Laravel Django / Flask / FastAPI

Ruby on Rails ASP.NET / ASP.NET Core

Electron React Native / Flutter

Spring Boot jQuery TailwindCSS

PyTorch / TensorFlow / Keras

NumPy / Web3.js / Ether.js Ethereum

Ruby on Rails / GraphQL / WebGL

ChatGPT / OpenAI / LLM / LangChain

Database Management

MySQL / PostgreSQL / SQLite MongoDB

Redis / Firebase

DevOps & Administrative

AWS / Microsoft Azure Heroku / Vercel

Google Cloud Platform / Netlify

Docker / Kubernetes

Powered by Enhancv

WORK EXPERIENCE

Full Stack Engineer / Senior Linux System Administrator

City of Anaheim   10/2017 - 04/2019   Anaheim, CA, United States

- Contributed to the development of 20 websites using **React**, **Vue.js**, **Angular**, **TypeScript**, and **Tailwind CSS**
- Maintained and refined reusable components and libraries
- Reduced page load time by 25% through performance optimizations, resulting in faster and more efficient user interactions
- Planned, wrote, and debugged web applications and software with complete accuracy
- Partnered with UI/UX designers to implement best design practices
- Utilized Git for version control and coordinated with team members using agile methodologies
- Developed a web app for a county-wide promotion game with prizes for one of the largest beer distributors in the country
- Participated in code reviews and provided feedback to enhance code quality

Frontend Engineer

Arvixe LLC   12/2015 - 07/2017   Pleasanton, CA, United States

- Assisted in the development of web applications using **PHP**, **React**, and **Vue.js**
- Recommended design improvements for new code development or reuse of existing code
- Conducted code reviews and supported bug fixing and troubleshooting
- Administered a new Angular-based website
- Collaborated with senior developers to enhance application performance and security
- Constructed front-end pages with **React**, **Angular**, **AngularJS**, **HTML5**, and **CSS3/SASS/Tailwind CSS**

Frontend Developer

QuadraNet   11/2012 - 10/2015   Los Angeles, CA, United States

- Designed, developed and maintained a website using **PHP (WordPress)**, **HTML** and **CSS**
- Developed and launched several projects utilizing **React**, **Next.js**, **Headless CMS**, Contentful, and **GraphQL**
- Optimized site for usability, **SEO** and accessibility

EDUCATION

Bachelor's degree of Computer Science

University of California Irvine
09/2004 - 06/2008   Irvine, CA, USA

- Bachelor's degree in **Computer Science**
- Minors in **Mathematics & Computer Programming**
- **Award**: Software Student Excellence Award (**Top 3%**)

LANGUAGES

English   Native   ●●●●●