Xinlu Gui

Senior Software Engineer

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📍 Sunnyvale, CA

SUMMARY

As a seasoned Full Stack Engineer with 11 years of experience, I have developed a deep expertise in both **front-end** and **back-end** development, specializing in creating scalable, efficient, and robust web applications. My comprehensive skill set includes advanced proficiency in **JavaScript**, **Python**, and **PHP**, coupled with extensive experience in modern frameworks and libraries.

I am adept at architecting and deploying applications on cloud platforms like **AWS**, **Azure**, and **Google Cloud Platform**, leveraging services such as **EC2**, **S3**, **Lambda**, and **Kubernetes** to enhance application scalability, reliability, and performance. My strong background in cloud services is complemented by a proven track record of leading development teams through full project lifecycles, ensuring seamless integration and deployment processes.

I excel at driving innovations that improve user experiences and operational efficiencies, consistently delivering projects that meet and exceed business objectives. My approach integrates best practices in code quality, security, and maintainability, making me a valuable asset to any forward-thinking organization looking to innovate and grow in the tech space.

SKILLS

Node	Express	Nest	Python	Django	PHP	Laravel	REST APIs	GraphQL APIs

JavaScript	TypeScript	React	React Native	Next	Redux	Angular	RxJS	Vue	Vuex	Nuxt

Zustand	Effector	Tailwind	MUI	HTML5	CSS3	Jest	Cypress

SQL	PostgreSQL	MySQL	SQLite	NoSQL	MongoDB	DynamoDB	Redis

GitHub	GitLab	Bitbucket	Jira	Trello	CICD	TDD	Unit Testing	End-To-End Testing

Amazon Web Services	Google Cloud Platform	Firebase	Terraform	Docker	Kubernetes

Web Socket	Stripe	PayPal	Twilio	Auth0	SSO	OAuth	JWT	Heroku	ElasticSearch

EXPERIENCE

Senior Software Engineer

Fortunes Tech

📅 07/2021 - Present

- Developed and maintained scalable web applications for high-traffic online auction platform using message queuing techniques, enhancing user experience and operational efficiency.
- Led the microservices-based backend system development, resulting in an improvement in system resilience and reduction in latency.
- Spearheaded adoption of containerization technologies like Docker and Kubernetes, and integrated Continuous Integration/Continuous Deployment (CI/CD) pipelines, streamlining deployment processes, enhancing development to production workflows, and ensuring seamless, automated updates and scalability.
- Successfully integrated multiple payment gateways into ecommerce platform to support global transactions, implemented a powerful search feature using Elasticsearch for real-time, accurate product searches, and seamlessly integrated various marketing tools including Google Analytics and Mailchimp to enhance campaign effectiveness and drive sales growth.
- Collaborated with cross-functional teams on UI/UX design and customer support, implementing responsive design principles that led to an increase in mobile user engagement.
- Directed a team of software engineers and mentored junior developers through code reviews contributing to an increase in team productivity and skill enhancement.
- **Tech stack - TypeScript, Next,React Native, Node, Express, Nest, Docker, Kubernetes, Terraform, Grafana, GitHub Action, CICD, TDD, AWS Lambda, SNS, SQS, EKS, OpenSearch, SSO, GraphQL API, MongoDB.**

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Hippo Insurance

📅 04/2019 - 07/2021

- Led the design and implementation of homeowners, property and life insurance underwriting software, which streamlined risk assessment processes and reduced underwriting time by 30%, enhancing client satisfaction and throughput.
- Spearheaded the implementation of API integration with multiple insurance carriers, enhancing quick quoting features that reduced quote generation time by 30% for agents.
- Collaborated with data engineering teams to develop an AI-driven tool using satellite imagery analysis, improving wildfire risk assessments by 40% and supporting underwriting decisions.
- Led the development and integration of online signature capabilities using Dropbox Sign, achieving a 35% increase in document processing speed and enhancing customer experience.
- Implemented a seamless integration with Ivans to automate data exchanges, which enhanced data accuracy by 20% and reduced manual data entry by 50%.
- **Tech stack - API Integration, SSO, Okta, Auth0, Node, Express, TypeScript, Next, Restful API, PostgreSQL, Stripe, PayPal.**

EXPERIENCE

Software Engineer
Mango Languages

📅 10/2017 - 04/2019

- Designed a comprehensive analytics dashboard that provides educators and administrators with real-time insights into student performance, engagement levels, and course effectiveness, enabling data-driven decision making.
- Implemented gamification elements like points, badges, and leaderboards, which increased daily active users by 40% by making learning more fun and competitive.
- Developed interactive 3D visualizations of complex educational content using Three.js and BabylonJS, enhancing user engagement and understanding by providing dynamic, manipulable models in web-based learning platforms.
- Engineered a virtual classroom environment with interactive features like live polling, breakout rooms, and real-time feedback using WebRTC and Socket.io, enhancing the quality of remote instruction and student participation.
- Architected and implemented a robust content management system for the platform that allows educators to easily create, update, and manage digital content, including video lessons and downloadable resources, streamlining the content delivery process.
- Led the initiative to ensure all web applications meet WCAG 2.1 accessibility standards, implementing features like text-to-speech, high-contrast modes, and keyboard navigability to support learners with various disabilities.
- **Tech stack - GraphQL, React, React Native, Three.js, BablyonJS, PostgreSQL, WebRTC, Socket.io, WCAG.**

Software Developer
Toptal

📅 04/2014 - 10/2017

- Designed and developed over 5 mobile and SaaS applications improving average customer engagement and receiving 4.5+ star ratings on app stores.
- Collaborated with cross-functional teams in Agile environments, enhancing project delivery speed and improving team satisfaction scores.
- Integrated with CMS solutions for content-heavy websites including Directus, Strapi, Sanity, CoreUI and KeystoneJS allowing for faster content updates and an increase in SEO rankings.
- Developed a dynamic integration between CRM services like Zoho, HubSpot and Zendesk, enabling real-time customer data updates and personalized marketing campaigns, resulting in an increase in customer retention.
- Led the initiative to make a flagship web application fully compliant with WCAG 2.1 guidelines, enhancing accessibility for users with disabilities and increasing the user base.
- Developed and maintained a comprehensive suite of unit tests and end-to-end tests achieving over high code coverage, which significantly reduced the number of post deployment bugs, reliability and fast deployment speed.
- **Tech stack - Node, Express, Typescript, React, Redux, Vue, Angular, Jest, Cypress, Mocha, Figma, Auth0, JWT, Restful API, MongoDB, AWS DynamoDB, PostgreSQL, SQL server, Unit Testing, End-To-End Testing.**

Software Engineer
Majesco

📅 06/2013 - 04/2014

- Introduced microservices-based solutions to modernize legacy insurance systems, allowing insurance carriers to improve flexibility, reduce operational costs, and accelerate the launch of new insurance products.
- Collaborated with insurance carriers to customize API integrations, meeting unique business requirements and regulatory compliance needs, resulting in an improvement in data processing times and reduction in manual data entry errors.
- Developed and maintained robust APIs for Majesco's insurance platform, enabling seamless integration with external systems, such as third-party underwriting, claims management, and customer service applications, enhancing the interoperability of insurance carriers' ecosystems.
- Implemented analytics and monitoring tools for API usage, providing insights into performance bottlenecks, usage patterns, and opportunities for optimization, leading to an improvement in API response times and enhanced service reliability.
- **Tech stack - Restful API, React, MongoDB, PostgreSQL, AWS, Python, Django, Java, JVM, Gosu, OAuth 2.0, JWT.**

Software Engineer
Homesite Insurance

📅 05/2012 - 06/2013

- Collaborated with a cross-functional team to develop and a mobile app for policy management, which led to increase in customer engagement and an improvement in customer satisfaction scores.
- Contributed to a team project that redesigned the claim processing workflow, incorporating automation tools that sped up claim resolution, significantly improving customer satisfaction during the claim process.
- Spearheaded the integration of third-party agent portals with Homesite's underwriting system, facilitating real-time data exchange and streamlining the underwriting process for agents, which led to an increase in underwriting efficiency and agent satisfaction.
- Integrated with an AI-driven model for wildfire risk detection, utilizing satellite imagery and environmental data to assess property risks accurately, reducing underwriting errors and enhancing policy pricing accuracy.
- **Tech stack - PHP, Laravel, Symfony, MySQL, PostgreSQL, RESTful APIs, Swift, HTML5, CSS3, Bootstrap, JavaScript.**

EDUCATION

M.S. in Computer Science
San Jose State University

📅 04/2007 - 03/2012