

MORGAN CHIN

Senior Software Engineer

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Summary

Full-stack engineer with over 9 years of experience in designing, developing, testing, and deploying applications across the software development lifecycle. Skilled in both front-end and back-end technologies with deep expertise in frameworks like React, Next.js, and Vue.js on the front end, and Node.js, Python, and Go on the back end. Strong experience with databases, APIs (REST/GraphQL/gRPC), and microservices architecture. Adept at building cloud-native applications and working with cloud services, CI/CD tools, and test automation.

Work experience

Senior Fullstack Engineer

2022-01 - present

Quality IT

- Develop cloud-native web applications using React, Python-Django, and FastAPI for scalable enterprise solutions.
- Developed highly optimized RESTful APIs with FastAPI and Django backends, integrating them with PostgreSQL and MySQL databases.
- Built secure, highly available web and mobile applications with React, React Native, and Next.js, integrated with PostgreSQL for efficient data management.
- Deployed and managed services on AWS, implementing auto-scaling, Job Batch, RDS, and S3 for efficient cloud storage and database management.
- Developed Chrome Extension using Shadcn-UI for UI, Prisma for ORM, tRPC for communication between extension and backend, and TurboRepo for managing monorepo.
- Implemented test using testing frameworks (Jest, Cypress, JUnit) to maintain project stability.
- Worked on CI/CD tools like Jenkins to automate the build process from version control tool into testing and production environment.

Senior Fullstack Engineer

2019-04 - 2021-12

Kutir Mobility

- Developed the web and mobile front end for a Learning Management System, focusing on data visualization with TypeScript, React, Apollo, GraphQL, Python, Django, and React Native.
- Led the development of a full-featured onboarding app using Next.js and Auth0 for authentication and configured middleware for routing and authentication processes.
- Integrated SSO (Single Sign-On) to streamline user authentication across platforms.
- Built and customized key components, including a calendar component and a tanstack query table, ensuring seamless user interaction and enhanced data management.
- Integrated Mapbox for dynamic map visualizations, improving user experience.
- Integrated FastAPI and MongoDB for efficient backend services, enabling high-performance data handling and storage.
- Contributed to the company's custom library for fastAPI, optimizing reusable code and improving development efficiency.
- Implemented caching strategies to enhance app performance, reducing load times and improving the overall user experience.
- Leveraged AWS services for cloud integration, improving app scalability and reliability.

Fullstack engineer

2018-03 - 2019-03

Vention

- Developed clean, cross-browser-compatible front-end applications using JavaScript, TypeScript, React, and Next.js.
- Migrated a healthcare web application from the LAMP stack to MERN stack application and also developed a mobile application with React Native.
- Delivered full-stack development services leveraging a robust tech stack, including TypeScript, React, MUI, NestJS, PostgreSQL, Docker, AWS, and Terraform.
- Refactored the UI using Material-UI to enhance visual appeal and user experience and rebuild the custom components.
- Developed automated tests and integrated testing frameworks to ensure system correctness and performance before deployment.

Web Engineer

2017-01 - 2018-02

Syndio

- Designed and developed dynamic and browser-compatible user interfaces using HTML, CSS, and JavaScript.
- Participated in the development of eCommerce and CRM systems using Drupal, WordPress, OOP, MVC structures, Laravel, SQL, Git, and followed Pixel Perfect design and implementation.
- Developed a REST API in Node.js to surface complex domain types and transformations from MySQL databases and multiple remote services via their REST APIs.

- Assisted in the development of web-based applications using Java and related technologies.
- Developed front-end interfaces using JavaServer Faces (JSF) and JSP.
- Collaborated with senior developers to understand business requirements and translate them into technical specifications.
- Worked with Apache Tomcat for application deployment and server management.

Education

B.S. in Computer Science

2012 - 2016

Santa Clara University

SKILLS

- **Front-End:** React, Next.js, Vue.js, TypeScript, JavaScript, HTML, CSS, React Native, Material-UI, Shadcn-UI, Apollo
- **Back-End:** Node.js, Python (Django, FastAPI), Go, Java (Spring Boot), NestJS
- **Databases:** PostgreSQL, MySQL, MongoDB, Prisma, GraphQL, REST APIs
- **Cloud/DevOps:** AWS (S3, RDS, EC2, Lambda, ECS), Terraform, Jenkins, Docker
- **Testing & Automation:** Jest, Cypress, JUnit, Selenium, CI/CD
- **Other Tools:** Git, GitHub, Jenkins, TurboRepo, Auth0, Mapbox, Single Sign-On (SSO), Prisma ORM