Sergio Rene Tapia-Fikes

Austin, TX

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SENIOR SOFTWARE ENGINEER

Experience implementing large-scale product features across the entire stack | Expertise in JavaScript Frameworks and Front-End Development | Experience Designing and Developing API's | Experience Designing SQL Schemas and Queries

CAREER SUMMARY

Senior Software Engineer with 4+ years of experience designing and implementing secure, scalable web applications including extensive work across the stack developing digital banking & payments applications. Experienced building user-centric solutions and collaborating cross-functionally with design, product, and engineering teams to deliver large-scale technical initiatives ensuring resilient architecture, high quality standards, and consistent user experiences.

Skilled in maintaining and improving component libraries, implementing state management solutions, designing intuitive API's and leading the successful adoption of new technologies such as gRPC for service communication and AWS Postgres Aurora and AWS S3 for scalable data storage. Active contributor to open-source projects, with a passion for innovation and continuous learning.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, GoLang, Java, SQL, GraphQL, Protocol Buffers, HTML5, CSS3
Frameworks/Libraries: React, Next.js, Vue.js, Ember.js, Express.js, Apollo GraphQL
State management: Redux, Vuex
Runtimes: Node.js
CSS preprocessors: Sass/SCSS
Cloud Services: AWS
Databases: PostgreSQL, MySQL, MSSQL
Caching: Memcached
Testing: Jest, Vitest, Cypress, Mocha, Chai.js, Sinon.js, Pytest
Build Tools: Vite, Webpack, Babel, ESLint, Prettier

PROFESSIONAL EXPERIENCE

GlossGenius   New York, NY - Remote
Senior Software Engineer - Full Time   January 2025 - Present
Business management software for SMBs in the beauty and wellness space including booking and scheduling, marketing, analytics, and payment processing.

Q2ebanking   Austin, TX
Senior Software Engineer - Full Time   June 2022 - November 2023
- Migrated the secure messaging UI from a monolithic Vue.js 2 codebase to a standalone Vue.js 3 app, upgrading Node.js, Vuetify, Cypress and adopting Vite and Vitest, resulting in 120x faster builds, and independent releases.
- Directed the redesign of the secure messaging DB Schema and migration of over 200 million records from MSSQL Server to AWS Postgres and AWS S3, enhancing message scalability and reducing storage costs.
- Designed and implemented scalable gRPC APIs using GoLang and Python supporting a multi-tenant architecture with MSSQL, PostgreSQL, and AWS S3 data sources, documented with Swagger, while collaborating closely with stakeholders to ensure compatibility with current and future systems for a successful adoption.
- Facilitated integration of HashiCorp Vault with the AWS Secrets Engine for secure access to AWS S3, with SSE-C encryption applied to files, coordinating with cloud architect/admin teams to ensure credential rotation and align data center deployments for reduced latency.
- Led the design and development of scalable UI components using Vue.js and Sass, ensuring maintainability, while enabling easy opt-in component features leveraging component composition for an improved user experience.
- Enhanced state management using Vuex and Vue.js APIs (provide/inject), lifting state for flexibility across use-cases, and implementing simultaneous async calls to reduce page-load times.
- Coached and mentored junior developers on the team, including pair-programing, code-reviews, and 1:1's.

Q2ebanking   Austin, TX
Software Engineer- Full Time   February 2021 - May 2022

- Delivered digital banking features used by over 800,000 customer accounts, including total assets for the customer dashboard and merchant icons for transactions.
- Updated UI to consume new API endpoints and response shapes using Ember.js, including serializing response data to Ember models and maintaining unit and integration tests with Mocha, Chai, and Sinon.js.
- Reduced discrepancies in client design requirements by reviewing Figma designs, refining JIRA tasks, and collaborating with the design team, which accelerated development and improved design consistency.
- Enhanced key functionalities including Wire & ACH transfers, bill pay, stop payments, and travel notifications.
- Developed solutions for cross-browser and device compatibility, ensuring consistent user experiences across platforms.
- Coached new UI developers on Ember.js conventions, code standards, and expedited effective knowledge transfer of the application including pair programming & participating in regular code reviews.
- Migrated a Python Jinja template to Ember.js including adding new endpoints to the Python SDK extension which reduced Jinja template maintenance, and provided a new modern user experience.

Depo-Notes   **Austin, TX**
Software Engineer - Contract   **November 2020 - March 2021**

Summary: Architected and developed a Stripe-integrated payment form using React, Redux, and SCSS to develop the UI and AWS Node.js Lambda functions for secure payment processing and card management.

Homenow   **Austin, TX**
Software Engineer - Contract   **January 2020 - February 2021**

Summary: Developed scalable React components, developed a notification service with Node.js and AWS, migrated stylesheets to Sass/SCSS for design system adoption, designed SQL tables, wrote SQL queries, and mentored junior developers.

OPEN SOURCE CONTRIBUTIONS

Refine   https://github.com/refinedev/refine
React Framework for building internal tools, admin panels, dashboards & B2B apps - **26.3k stars - 18,862 weekly downloads**   **July 2024 - Present**
- Engineered Hasura package feature enhancement enabling arbitrary GraphQL Variables to be used in queries including support for advanced Hasura filter query syntax.
- Upgraded UseDataGrid Hook Prop Type TypeScript definition with override to be compatible with current type definitions for newer versions of "@mui/x-data-grid-pro package".
- Developed supabase package feature enabling support for "between" ranges as a PostgreSQL query filter.

Mantine   https://github.com/mantinedev/mantine
A fully featured react component library - **25.4k stars - 400,000 weekly downloads**   **July 2024 - Present**
- Contributed bug-fix for the DateInput Component working with React and TypeScript to update internal state management logic to ensure the selected date would reflect the provided time zone.
- Enhanced LineCharts package by upgrading ChartLegend and ChartTooltip components to support nested names, improving flexibility and usability for complex data visualizations.

View Additional Open Source Contributions - https://github.com/Sergio16T

EDUCATION

- New York University - Bachelor of Fine Arts - BFA   New York, NY
- Professional React Training - https://reacttraining.com (Advanced Class Component Patterns, React Hooks)