

# John Yegs

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## TECHNICAL

**Skills** TypeScript, Next.js, Webpack, Node, Python, Git, GCP, Fastify, ElasticSearch, Lerna, React, GraphQL, Postgres, DataDog

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## EXPERIENCE

**Side, Senior Software Engineer - Real estate brokerage platform - Payments Team** 2023 - Oct 2024

- Reduced software subscription costs by 75% by meticulously migrating highly sensitive payment processing data and supporting systems from a legacy Salesforce platform to an in-house application and database. PostgresDB, GCP Pub/Sub, GCP Cloud Functions.
- Led the design, planning, and implementation of key features of APIs supporting payment reconciliation operations. Fastify, Node, TypeScript, TypeORM.
- Scaled payment systems by utilizing message queues and event-driven architecture to keep critical data in sync. GCP Cloud Functions, Pub/Sub, Node.
- Led and launched the consumer-facing payments dashboard feature to collate real estate payments, and built the search backend. Fastify, Node, TypeScript, PostgresDB, GraphQL, Next.js

**Harmonic.ai, Senior Software Engineer - Fast-growing Series A startup in the venture data space** 2021 - 2023

- Increased annual recurring revenue by 15% YoY by tech leading and building a suite of features to support product expansion. Next.js
- Added 100% notification channel reach by designing and building a greenfield scalable notification engine. Dataflow, Apache Beam, DBT, BigQuery, Python, Google Pub/Sub.
- Optimized performance of the API tier by identifying bottlenecks and over-fetching by utilizing Apollo Server, GraphQL, DataLoader, Redis, Jeager, Python, BigQuery, and Postgres.
- Significantly improved core web vitals of the product by reducing bundle size by 75% utilizing modern bundling techniques. Webpack.
- Successfully launched a greenfield Solana-based web3 professional network by collaborating with product and design. React, Next.js

**Expedia Group - Expedia, Vrbo, Senior Software Engineer** 2018 - 2021

- Managed a team of engineers to launch a platform for the automation of coaching, transforming a massive manual process into an automated system built for scale across all of Expedia's 10+ brands.
- Engineered a GraphQL API to securely deliver enriched data that powered 5+ web and native mobile clients.
- Architected and built a solution for server-driven UI that increased new product delivery time by over 50%.
- Optimized the footprint of the consumer-facing site, improving core web vitals by 40% by leveraging chunks, lazy loading, and dynamic CDNs.
- Implemented a Lerna monorepo for reusable react components in the platform to streamline the developer workflows. LESS, React
- Brought in \$10M+ in net booking revenue YOY by tech leading a team to build a custom workflow application using data science to augment the sales process in the Vacation Rental space. React, Redux, Node, Hapi, GraphQL, Apollo, Webpack.
- Supported real-time data streaming as a producer and a consumer of pertinent sales data. Elastic Search, Kafka, MySQL, Salesforce.
- Utilized web workers and various browser APIs to offload complex processing from the main thread.
- Analyzed the performance of front-end code and fixed bottlenecks to reduce the volume of code shipped to clients.
- Advocated for and implemented enhanced test coverage for the application that included 95% coverage of critical workflow.
- Refactored an existing monolith to individual microservice GraphQL APIs using Apollo Federated Gateway.

**Blue Apron, Software Engineer - growth engineer hire 20, helped scale from Series C to post-IPO** 2015 - 2018

- Modernized the client-side platform and DevOps deploy workflows.
- Built out a shared react component library.
- Collaborated with product and designers to create complex animations for the marketing homepage, to be pixel-perfect.
- Built an analytics library that provided a single interface to various third-party tracking integrations to increase the growth and adoption of products.

**Sevatec Consultancy, Senior Software Engineer @ U.S. Dept. of Transportation** 2013 - 2015

**Asurion, Enterprise Solutions Architect** 2011 - 2013

**Deloitte Consulting LLP Application Developer** 2010 - 2011

**Freddie Mac Software Developer** 2009-2010

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## EDUCATION

**James Madison University, Computer Science**

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## SIDE PROJECTS

**Saveur - A saas tool to automate backups for social media accounts**

**dv.js, - Benchmark and analysis of a distributed computing npm module for computing algorithms**

**Interests:** podcasts, continuous improvement, personal finance, ice hockey, cooking, travel