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Los Angeles, CA

Jay Arella

Senior Software Engineer

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github.com/arellaTV

Technical Skills

Front-end

TypeScript/JavaScript, React, Next.js, React Native, HTML, CSS, Tailwind, PixiJS, GSAP, Styled Components

Back-end

Node, Express, Nest.js, Ts.ED, Prisma, PostgreSQL, MySQL, TypeORM, Sequelize, Elasticsearch, MongoDB

Tools and Deployment

Git, Docker, AWS (EC2, Lambda, S3, Cloudfront), GCP, Vercel, Supabase, Jest, Figma

Professional Experience

3W3M, 3w3m.com

February 2023 - Present

Senior Software Engineer

- Implemented a robust set of interactive comic publishing tools using React/Next.js, Nest.js, PostgreSQL, and S3
- Employed technologies such as PixiJS, Blockly, and React to create an interactive game editor
- Established a feature-rich search engine for comics in a mobile application with React Native and Algolia

Unifai, unifai.us

December 2021 - February 2023

Senior Software Engineer

- Improved authentication with a secure Auth0 integration that supports a wide array of social connections
- Leveraged Stripe, SendGrid, and Nest.js to build a secure and user friendly subscription and payment process
- Engineered a feature rich Slack integration that allows team members to send and listen to audio recordings

Blockchain Adventures Guild, app.thisistheway.finance

September 2021 - February 2022

Senior Software Engineer

- Animated an interactive game dialogue box with React that lets users navigate through a quiz game
- Established integration tests with Jest, MSW, and React Testing Library, and documentation via Storybook
- Created custom hooks that powers the platform's alert system, allowing users to view and dismiss alerts

Lighthouse, lighthouse.app

July 2020 - July 2021

Senior Software Engineer

- Integrated payment platform, Stripe, to allow for payment handling, and automated subscriptions
- Implemented passwordless authentication with Auth0 to streamline user signup experience
- Optimized complex searches and filters for rental properties with Elasticsearch (lighthouse.app/search)

Big Machine Productions, bmpcreative.com

May 2020 - Present

Senior Software Engineer

- Built a tool with React that helps content creators test and contextualize YouTube thumbnails before publishing
- Created an upload process using Node.js, image processing with ImageMagick, and MongoDB for the database
- Built a tool with React/Next.js and Material UI that visualizes YouTube, TikTok, and Instagram statistics
- Created a scraper that scrapes statistics 4 times a day via CRON job, and stores the data in a Strapi database

Southern California Public Radio

March 2017 - May 2020

Software Engineer

89.3 KPCC, scpr.org

- Orchestrated Kubernetes cluster to handle massive amounts of listener traffic to the livestream with OpenShift
- Utilized Rails Cells to implement a massive, component-based redesign that unifies the site's design language
- Built a map that shows if you live near an earthquake hazard for popular podcast, [The Big One](https://www.thebigone.com)

LAist, laist.com

- Migrated and refined a PHP powered website of the acquired laist.com from its legacy CMS to a new CMS
- Optimized MovableType static publishing performance with publish queues and smaller varnish cache updates

Education

- **University of California, Riverside**, B.A. Media & Cultural Studies

2015