

James Wolensky

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Senior Full-Stack Engineer with **10+ years** building scalable web and mobile applications. Architected and led migration of **10+ legacy repositories** to TypeScript, improving system stability across **500+ daily active venues**. Led cross-functional team of **7 engineers** delivering critical infrastructure upgrades. Expert in React, Node.js, AWS, and CI/CD automation.

Work Experience

Senior Software Engineer, Vermont Information Processing

Sept 2022 - Present

- Reduced database deadlocks by **95%** by implementing optimized SQL locking strategies and connection pool monitoring, improving order processing reliability for **500+ venues**
- Accelerated deployment pipeline by **80%** (2 weeks → 3 days) by architecting CI/CD automation using **Docker, GitHub Actions, and Terraform**, enabling **4x faster** feature releases
- Led team of **7 engineers** to migrate **10+ repositories** to TypeScript, reducing runtime errors by **40%** and improving developer velocity through enhanced type safety
- Created dynamic PR preview environments reducing QA bug-related delays by **35%** by implementing automated infrastructure provisioning with **Terraform** and **AWS ECS**
- Architected MySQL reader/writer connection splitting, improving database query performance by **30%** and enabling horizontal scaling for high-traffic periods

Senior Software Engineer, Beep Auto

Sept 2021 – Sept 2022

- Improved site performance by **25%** by optimizing **React** components and implementing **incremental static regeneration** with **NextJS**, reducing bounce rate for car buyers
- Automated sales data processing by **50%** by developing custom **Salesforce** integrations, eliminating **20+ hours** of weekly manual data entry
- Reduced customer journey time by **30%** by implementing **NextJS** page optimizations and SEO enhancements, improving conversion rates
- Architected highly available microservices using **AWS Lambda, S3, and EC2**, achieving **99.9% uptime** for critical purchasing workflows

Senior Software Engineer, Personify Global

Dec 2016 - Sept 2021

- Led team of **10 engineers** to consolidate **4 legacy products** into unified SaaS platform, driving **15% increase** in user retention and reducing maintenance overhead
- Reduced mobile development costs by **40%** by rewriting core apps in **React Native**, enabling cross-platform deployment and **2x faster** feature releases
- Scaled systems to support **1M+ active users** by architecting AWS integrations using **API Gateway, SQS, and Lambda** for event-driven processing
- Contributed to successful acquisition of GTR by Personify Global in 2022 by delivering scalable software systems meeting tight M&A deadlines

Skills

Languages: TypeScript, JavaScript, PHP, SQL

Frameworks: React, React Native, Vue, Node.js, NextJS

Cloud & Infrastructure: AWS (ECS, Lambda, RDS, S3), Docker, Terraform, Kubernetes

Databases: MySQL, PostgreSQL, Redis

Tools: Git, GitHub Actions, Jest, Cypress, Ansible

Certifications & Education

AWS Certified Solutions Architect – Associate

May 2023

San Diego State University - Bachelor of Science in Business Management

Aug 2010 - June 2014