

Philemon Lin

Software professional from Los Angeles currently residing in Boston
Skilled in frontend and backend technologies, microservices, cloud computing

(310) 634-7051
pslin3@gmail.com
linkedin.com/in/pslin
github.com/scooter3

PROFESSIONAL EXPERIENCE

Wayfair, Inc. Engineering Manager/Technical Lead

Boston, MA
February 2019 - Present
Team lead on service engineering, which includes apps used by customer service agents and self-service apps on Wayfair websites (My Account, returns, cancellations, etc.) Tech stack: React/Redux, PHP, SQL Server, Nginx, Apollo Cache, Kafka, and GraphQL.

- 2019: Tech lead of a team of 7 engineers responsible for **decoupling from code monolith**, creating and rewriting outdated services for applications used in post-order (returns, cancellations, discounts, package tracking, etc.). New endpoints were exposed via REST and GraphQL.
- Designed and developed an internal app (diagnosing and resolving issues related to damage/defects) using React/Redux and PHP as a pilot project/POC, paving way for all apps used by customer service reps. App saved Wayfair over **\$10M in 2019**
- 2020: Tech lead of a team of 6 engineers creating a new app for the return process workflow for agents and My Account. New app uses React, GraphQL, Apollo Cache and is replacing an outdated version written with an in-house framework. Key focuses include **reducing felt time, optimizing server/client comm., and emphasizing cost-saving options, and using GraphQL instead of outdated REST endpoints and PHP scripts**
- Identified bottlenecks within our tech stack and proactively addressed them with senior managers and directors: created metrics around felt time (Influx logging, Grafana monitoring) and proposed and implemented several features to shorten them (did a complete audit of network calls and eliminated sending data to the client unnecessarily). Reduced database dependency on an already-taxed server and sought out external teams to use tables more efficiently and reduce duplicate logging.
- **Managed and led a team of engineers** ranging from junior to senior level. Developed their career plan, conducted 1-on-1s regularly, and provided timely feedback. Mentored technical as well as cultural/professional areas. Have received positive downward and upward feedback, exceeding expectations, and successfully promoting individuals. Actively did **code reviews**; part of a team of leads that **reviews architecture, RFCs across our org**, and provide feedback to engineering practice
- Worked closely with PMs and other leads to plan quarterly and annual road maps, coordinated development from start to finish, met with key stakeholders and PMs regularly to acquire constant feedback and align on OKRs
- Established several engineering/coding practices for our pod, including a code review process, pre-implementation design/analysis, proper documentation/knowledge-sharing, and a forum for design and peer code reviews

Hurrikan Inc. Technical Lead/Consultant

San Diego, CA
July 2017 - December 2018
Software/technology startup specializing in providing digital solutions for companies in all industries. Clients include RQ, Google, AirBnB, and The Home Depot.

- **Led the design, development, and deployment** of two projects for a human resources company - PHP backend using Laravel
- Guided team of engineers for both the frontend and backend of several projects, including developing an SSO system to an already existing application suite
- Conducted daily meetings with partners and engineering staff, devised testing plan, deployment plan, and resolved technical issues in multiple development and testing environments
- Actively sought clients interested in developing new software solutions or upgrading existing applications. Gave detailed technical breakdowns and consulted on best solutions

Authvia Inc. Senior Software Engineer

El Segundo, CA
January 2016 - July 2017

Early stage startup with white label SMS and web-based billing solutions. Focused on efficient methods to solve problems and used bleeding edge tech to cut costs and speed up the dev/deploy process. Most solutions are RESTful API endpoints running in a serverless environment using the Serverless.com deployment framework, AWS Lambda/API Gateway and MongoDB.

- **Led the effort to integrate with third-party services and gateways:** Twilio, RestHeart, Direct Connect, EVOSnap, Avatas, Authorize.net, PayNSeconds, Sage, OpenMarket
- Architected and developed RESTful **micro web services for new payment platform**, which consists of multiple API endpoints, a web interface, scripts for SMS conversations running in a serverless architecture on **AWS using Node.js and MongoDB**
- Worked with product manager to strategize new platform features, improve existing features, and how to better support clients. Steered product to better suit existing as well as future clients by researching and understanding needs of the market

Edmunds.com Senior Software Engineer

Santa Monica, CA
May 2011 - December 2015

- 2011: Designed and built a brand new email newsletter platform for the email marketing team using **Java and Spring in the backend, MongoDB, Javascript and Freemarker** in the front end. Platform consisted of RESTful web services, a nightly migration service, JMS message publisher/consumer, and a service for communicating with a third-party email provider, BlueHornet
- Led a team of three devs and testers to develop the email platform from beginning to completion, actively maintained it, created new features according to business needs
- 2015: Developed tools for the customer-facing site: **Inventory Alerts, Price Promise, Vehicle Comparator** for vehicle core pages, which make up a significant portion of Edmunds' web traffic. Impl. with Javascript/Node.js in the frontend and Java in the backend.
- Designed, and led development of an internal tool for **continuous build/integration and continuous delivery** for web apps and rest services developed within Edmunds. This web app monitored the code repository (Perforce and then git), automatically builds new versions, runs smoke and unit tests, and deploys to test environments. Tool also included the ability to monitor prod environments and a switch to cut-over traffic among the prod servers. Integrated Splunk, AppDynamics, Jenkins and implemented with Java, GWT, MongoDB.
- **TDD:** created automated functional tests in **Selenium** for a variety of web applications, covering over 90% of owned projects

Software Engineer

American Tours International

Los Angeles, CA
October 2009 - May 2011

B2B travel company with a focus on the European and Latin American market, white label online booking platform used by travel agencies to book various travel products for their customers.

- Developed platform for booking travel products used by travel agencies and other businesses, using **Java EE, EJB, Lucene, Tapestry, JBoss, SOAP, Hibernate**
- Developed auditing/management tool used by business analysts and other internal personnel. Used for managing travel products and other features on the main booking site. Implemented with Java and Tapestry
- Wrote unit and functional tests in JUnit and Selenium for booking engine and internal applications

EDUCATION

University of California, Irvine **BS, Information and Computer Science**

TECHNICAL SKILLS

Languages	Javascript ES6, Java, C#, C++, PHP
Frameworks	Node.js, React, Redux, AngularJS, Express, Serverless, AWS, GCP, Spring
Database	SQL Server, NoSQL, MongoDB, GraphQL, PostgreSQL, DynamoDB
Other	Docker, Kubernetes, Apache Kafka, Hibernate, ActiveMQ, JMS, JUnit, TestNG, Selenium, *nix, Git, Mercurial, Perforce