

Kevin Lee

Software Engineer

Fort Lee, NJ, United States | [LinkedIn](#)

Results-driven Full-Stack Software Engineer with over 8 years of experience building scalable enterprise SaaS platforms, high-performance web applications, and mission-critical logistics systems. Proven expertise in frontend architecture, complex canvas-based creative editors, and real-time collaboration workflows using React 19, Next.js, TypeScript, Hasura GraphQL, and AWS. Experienced in designing autonomous AI compliance engines, optimizing client-side rendering pipelines, and engineering robust cloud backends. Master of Science candidate in Computer Science at Georgia Tech.

EXPERIENCE

Software Engineer Feb 2022 — Present
Constellation *New York, NY*

Creative Automation Engine: Architected the core web-canvas subsystem and data-driven Configure Panel in Next.js, React 19, and TypeScript, enabling automated mass generation of personalized marketing assets by dynamically mapping external data feeds to template variables.

Ad-Platform Compliance Automation: Designed an automated validation engine enforcing Google CM360 and Adobe DCM specifications, integrating autonomous AI checks and one-click violation auto-fixes to streamline enterprise ad deployment.

Review & Rendering Infrastructure: Delivered end-to-end multi-asset Review Document generation workflows and client-side export pipelines; resolved complex rendering bottlenecks and browser routing issues to achieve sub-second preview rendering for bulk media outputs.

Enterprise Collaboration & Backend Architecture: Scaled real-time team collaboration infrastructure across Hasura GraphQL and PostgreSQL, unifying cross-service task assignment data models, entitlement-based access controls (RBAC), and session-based event notifications.

Software Engineer Oct 2018 — Feb 2022
Alinx Soft, Inc *New York City Metropolitan Area*

Engineered mission-critical cargo logistics platforms utilized across 70% of US commercial airports, developing full-stack web applications and RESTful APIs using React.js, Python, .NET Core, and MS SQL on AWS.

Architected high-throughput EDI message parsing engines and automated financial systems, including online freight payment portals and enterprise billing pipelines integrated with SAP.

Developed mobile operations ecosystems, including iPad-based warehouse tracking, iPhone incident reporting apps, and socket/serial hardware integrations with digital scales and Raspberry Pi devices.

Spearheaded cloud migration initiatives, successfully transitioning on-premises MS SQL databases and legacy application infrastructure to AWS and Azure cloud environments.

IT Specialist Mar 2014 — Oct 2015
By design LLC

Managed enterprise PLM systems, relational databases, and Active Directory domain infrastructure.

Software Engineer Feb 2012 — Jan 2014
B2COME *Jeonju Metropolitan Area*

Developed backend RESTful APIs and configured Linux/Apache web infrastructure for the Baro Match iOS mobile sports networking platform.

EDUCATION

Georgia Institute of Technology Jan 2021 — Dec 2026
Master's degree in Computer Science

CS6035 Intro To Information Security

CS6200 Graduate Intro To OS

CS6262 Network Security

CS7638 Artificial Intelligence for Robotics

CS6225 Computer Networks

CS6300 Software Development Process

CS6310 Software Architecture & Design

CS7646 Machine Learning for Trading

CS6290 High Performance Computer Architecture

CS6400 Database Systems Concepts & Design

CS6210 Advanced Operating System

CS6515 Introduction to Graduate Algorithms

University of Seoul Jan 2007 — Jan 2015
Bachelor's degree in Computer Science

University of Seoul Jan 2007 — Jan 2015
Bachelor's degree in Mechanical Engineering

PROJECTS

Baro Match(iOS app in Appstore)

This is iOS application that allows amateur soccer teams to easily find a match to play and manage the match scores and results. (Objective C, PHP, MySQL)

Airline Portal

Airlines can track the progress of their shipments and print daily or monthly reports in this website. (C#, ASP.NET Webform, JQuery, MSSQL, CSS)

- Please email me if you need account credential to see details of site.

Smartwarehouse

This is enterprise iOS application for warehouse agents. WFS(Worldwide Flight Services)'s fork lifts have iPads to record progress of shipments. This application is running on the iPad and agents can pull up shipment information and record breakdown and buildup information. (Objective C, C# Web API, MS SQL)

TRUePicUpload(iOS App in Appstore)

It is iOS application for security authentication of truckers. Truckers can upload their sensitive documents such as driver license, picture of vehicle plate and mobile information. (Swift, C# Web API, MS SQL)

ePic Freight Forwarder Portal

This website is online payment portal for freight forwarders. Freight forwarders can pay import service charges, storage fees and other fees. Also they can track progress of their own shipments. (C#, ASP.NET MVC, Javascript, MS SQL)

- Please email me if you need account credential to see details of site.

ePicNet

This is intranet for Worldwide flight services. The site provides cash collection and billing system, payroll labor tracking system. applicant tracking, EDI message tracking, shipment information etc. (C#, ASP.NET MVC, Webform, Classic ASP, MS SQL, CSS, Javascript).

eScreening(TSA)

This site provides TSA staffs to record security screening results. Also they can track their records and print report by applying various filters. (C#, ASP.NET MVC, MS SQL, Javascript, CSS)

SKILLS

Elasticsearch · Amazon Dynamodb · Amazon S3 · MSSQL · Webform · WinForms · CircleCI · C# · .NET Framework · .NET Core · iOS Development · Cloud Computing · Software Development · Web Development · Mobile Applications · ASP.NET MVC · ASP.NET · Active Server Pages (ASP) · Swift (Programming Language) · Objective-C