

# Arjun Liu

Full Stack Developer – [LinkedIn](#) – [GitHub](#) [ruodongsde@gmail.com](mailto:ruodongsde@gmail.com) · Cell: 551-580-2268 · Rosemead, California, 91770  
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## Summary

I am a 6 years experienced Full Stack Developer with a strong background in building robust and scalable **web** and **mobile** applications. I have a proven track record of developing and enhancing both **frontend** and **backend** systems using **JavaScript, React, Python, PHP, Django, MongoDB, Mysql, Java, C++, C#, .net**.

- Proficient in building components using **TypeScript, React, react-hook, and React-Redux, React Native**
- Expert in **C, C++, C#, Java, Python, and JavaScript**, capable of solving complex backend and infrastructure challenges
- Skilled in designing and deploying backend services, including **RESTful and GraphQL APIs with Node.js, Express, and PHP**, ensuring reliability and scalability
- Proficient with **React-mongoose** and databases such as **MongoDB, MySQL, Django-SQLite, and PostgreSQL**
- Hands-on experience developing websites using **Django, FastAPI, Flask, Odoo, and Python**
- Experienced with version control tools like **Git, GitLab, and BitKeeper**, as well as testing tools such as **Postman**
- Familiar with Agile development in Scrum teams **CI/CD** using tools like **Jira, Kubernetes, Jenkins, and Octopus Deploy**
- Adept at deploying, scaling, and managing applications on cloud platforms like **AWS, Azure, and GCP**
- Extensive experience writing backend plugins and integrating with various databases
- Proficient in **Next.js** for building high-performance web applications
- Experienced in leveraging **large language models(LLM) / LAM** and advanced machine learning techniques in application development

## SKILLS:

Python, Java, Dart, flutter, HTML, JavaScript, CSS, vue, jquery, C#, Remix, CloudFlare, Next.js, C++  
ubuntu, django, git, FastAPI, linux, R, Web Development, Machine Learning, Angular, JSON, Redis  
Mysql, MongoDB atlas, AWS, PostgreSQL, Docker, Kubernetes, SOA/Microservices architecture

## EXPERIENCE

**Sage Goddess, Inc., Carson, CA 90745**

**Full Stack Developer** | May 2023 - Present

**Project: AI PDF Parsing (Node, Next.js, Machine Learning, LLMs, LAM)**

Architected and implemented a Dockerized, microservices-based pipeline in **Node.js** and **Next.js**, integrating state-of-the-art LLMs and LAM for semantic analysis; applied SOLID principles and Factory/Singleton patterns to ensure high performance, fault tolerance, and horizontal scalability in AWS; used Redis for caching, MongoDB (with aggregation) for data storage and analytics, and enforced encryption and consistency checks for both structured and unstructured data.

**Project: Mobile App Development (Typescript, Redux, GraphQL/REST API, Java, ionic React)**

Led the development of a comprehensive, scalable **mobile application from scratch** using **ionic React, REST APIs** and **GraphQL APIs**, integrating robust backend services on **WordPress**. Defined project scope, set up the development environment, and ensured optimal performance on both **Android (using Java)** and **iOS platforms**.

**Project: WordPress Enhancements and Plugin Development (PHP, GraphQL, REST API, PostgreSQL)**

Developed and refactored multiple PHP plugins (Wishlist, WooCommerce REST extensions, Waitlist management, PDP BNPL, badge API, SG Collections) using **GraphQL** and **REST APIs**; modeled data in **PostgreSQL**, applied design patterns for maintainability, and implemented advanced caching strategies to guarantee data consistency and reliability in a distributed SOA environment.

**Project: Django Enhancements (Python, Django)**

Created automation rules for delivery orders and developed a module to synchronize Marketing team tasks with Google Calendar, ensuring smooth integration with login, registration, and task management features.

**Project:** Oracle with **Node.js**. Integrated **ChatGPT API** to create an AI representation for customer service within Oracle's platform.

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**Shipsaving Inc., City of Industry, CA 91748**

**Frontend Developer** | Sep 2022 - Feb 2023

**Project:** Shipsaving builds the most cost-effective and time-saving shipping solutions software and helps the eCommerce community grow.

**Responsible:** Develop high performance customer facing e-commerce application using **React, Next.js, ReactHook, Typescript, css, html**, Built custom components using **Material-UI** consisting Accodion, Filters, Dropdown, Carosuel, Button, Checkbox, Input,Icons. Built pages to allow clients to download tokens from local storage and from **AWS S3**.

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**Change Healthcare, Nashville, TN**

**Backend Developer** | Mar 2022 - Aug 2022

**Project:** Next-gen payment system

**Project Description:** Deploy next-generation payment systems on Amazon Web Services (AWS).

**Responsible** responsibilities included building and optimizing a next-generation payment system using **TypeScript, Node.js** and **AWS serverless** architecture; integrating **AWS API Gateway** for request routing; leveraging Lambda functions for scalable operations; configuring EC2 instances to support compute-intensive workloads; implementing unit tests with Jest to ensure code reliability; and managing CI/CD pipelines via Jenkins and Octopus for automated, seamless deployments.

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**VisionX LLC, San Jose, CA**

**Full Stack Developer** | Sep 2019 – Dec 2021

**Project(Java, Flutter, Dart, Django, Flask, FastAPI)** : Build some data-centric web applications using Django, Python, and AWS, implementing scalable backend services and efficient data synchronization. Engineered client-facing features with a focus on seamless user experience, and developed backend APIs using C++, Java Spring Boot, Flask, and FastAPI, optimizing performance and scalability with lightweight microservices for specific use cases. Developed some mobile camera feature using Flutter and Dart, enhancing user interaction on mobile platforms.

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**Genscript • Newark, NJ**

**Associate Research Scientist** | Feb 2016 – June 2019

**Responsible:** Took responsible for extraction DNA of Plasmid, and DNA quality control, enzyme digestion.

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## EDUCATION

**Pennsylvania State University, Malvern , PA**

(2019.8-2020.12)

Major: Master of Science , Software Engineering, GPA 3.7

**New Jersey Institute of Technology, Newark, NJ**

Major: Master of Science , Engineering, GPA 3.5

**Taiyuan University of Technology, Taiyuan, China**

Major: Bachelor of Science , Chemical Engineering and Technology , GPA 3.8