

Paul D. Song

US Citizen | paulsong29@gmail.com | (478)-363-5023 | LinkedIn: paulsong11 | GitHub: psong1

SUMMARY

Entry-level Software Engineer with hands-on experience with end-to-end full-stack development, database management, and Agile methodologies. Proven ability to collaborate with multidisciplinary teams to ensure seamless communication between clinical and administrative systems. Seeking to leverage software development, database management proficiency, and clinical domain knowledge to build scalable applications and enhance business intelligence.

EDUCATION

Georgia State University

Atlanta, Georgia

B.S. in Computer Science

Expected Graduation, Dec 2025

- **Concentrations:** Data Science
- **GPA:** 3.96/4.00, *President's List*
- **Related Coursework:** Data Structures & Algorithms, Computer Organization & Programming, Object-Oriented Programming, Probability & Statistics, System Level Programming, Design & Analysis of Algorithms, Linear Algebra

Georgia Institute of Technology

Atlanta, Georgia

Full-Stack Development Bootcamp

Dec 2021 - Jun 2023

- **Related Coursework:** HTML, CSS, JavaScript, Relational Database Development using MySQL, MERN Stack Development using MongoDB, Express.js, React, and Node.js, Agile Development

University of Georgia

Athens, Georgia

B.S. Ed in Exercise Science

Graduated Dec 2019

PROJECTS

Track and Field Finder

Atlanta, Georgia

Developer

In Progress

- Developed a web app that helps users find public running tracks nearby based on their current location
- Integrated Google Maps SDK and Places API to identify and display track locations
- Implemented role-based authentication and user account features using Node.js
- Designed a flexible MongoDB schema using Mongoose to store user profiles, saved track data, and community-submitted feedback on track accessibility

Employee Management System

Atlanta, Georgia

Developer

Mar 2025 – Apr 2025

- Led full-stack development of a secure employee management platform using Java, JDBC, Node.js, React, and MySQL, applying Agile methodology.
- Designed and prototyped user-facing components and backend services for employee search, salary updates, and access control.
- Implemented automated database test scripts and unit tests to ensure functionality, security, and data compliance requirements were met.
- Collaborated with stakeholders to demonstrate new features, gather feedback, and iterate based on user requirements.

Elgato Automation

Atlanta, Georgia

Team Member

May 2024 – Jun 2024

- Developed a Python automation script to enable visually impaired users to trade and sell futures on Tradovate using an Elgato Stream Deck
- Utilized Selenium WebDriver and DOM traversal to streamline and automate trading interactions, improving accessibility

E-commerce Backend

Atlanta, Georgia

Developer

Feb 2023 – Mar 2023

- Created a RESTful API backend system with Node.js, Express.js, and Sequelize ORM (Object Relational Mapping) to manage e-commerce inventory operations
- Designed database models, optimized API queries, and integrated input validation for improved application reliability and performance.

EXPERIENCE

Emory Healthcare

Atlanta, Georgia

Patient Access Scheduler

May 2020 – Dec 2023

- Maintained and audited detailed inventory records and therapy schedules, ensuring compliance with internal policies and the 3-Hour Rule
- Managed multiple projects, such as resolving in-house technical issues and handling inventory for three therapy programs
- Managed EMR chart databases and scheduled/documented patient care for 40+ cases daily, contributing to seamless throughput across 3 therapy programs
- Regularly collaborated with cross-functional teams (nursing, social workers) to coordinate schedules and generate reports
- Managed employee timecards, schedule adjustments, and HR data corrections using UKG workforce management system, ensuring payroll and scheduling accuracy across multiple Emory hospitals.
- Resolved scheduling/database issues within 1–2 business days, reducing backlog of support requests by streamlining triage process

Simply Mac

Athens, Georgia

Apple Specialist

Oct 2017 – Apr 2019

- Provided front-line technical support for customers needing assistance with iOS devices
- Diagnosed and resolved software and hardware issues using Apple Diagnostics and structured troubleshooting procedures
- Assisted customers with device setup, data backup and restoration, and iOS troubleshooting
- Educated users on best practices for device operation, software updates, and security settings
- Consistently maintained 95%+ satisfaction ratings while resolving 10–20 technical issues daily in a fast-paced Apple retail setting

SKILLS

Programming: Python, JavaScript, SQL, C, Java, HTML, CSS, Assembly

Frameworks and Libraries: React.js, Node.js, Express.js, Pandas, NumPy, Maven, Javalin, JSON Web Token, GraphQL, TailwindCSS

Databases: SQL, MongoDB

Tools: Visual Studio Code, PyCharm, Jupyter Notebooks, Git, Bootstrap, DBeaver

Development Practices: Agile Development, Test-Driven Development (TDD), REST API Design, Database Optimization, Accessibility Automation