Scott Lee

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SUMMARY

Results-driven and detail-oriented Software Engineer with a B.S. in Computer Science and a strong foundation in full-stack development, RESTful API design, and agile team collaboration. Proven ability to deliver scalable, maintainable code in fast-paced environments. Experienced in leading small teams, integrating third-party APIs, and deploying serverless solutions. Passionate about continuous learning and solving real-world problems with clean, efficient code.

TECHNICAL SKILLS

Languages: Java, Python, C#, C++, SQL, Dart, TypeScript, HTML, CSS
Frameworks & Libraries: ASP.NET Core, Spring Boot, Vue.js, Flutter, Unity, customTkinter
Development Practices: Agile (Scrum/Kanban), Unit & Integration Testing, RESTful API Design, JWT Authentication, Secure Coding, Debugging

PROJECTS

Moodz Web App | *C#, TypeScript, Vue.js, MongoDB, ASP.NET Core*   September 2024 – November 2024
- Engineered a full-stack journaling platform integrated with Spotify Web API, enabling users to match daily moods with music playlists
- Developed RESTful API endpoints with JWT authentication and CRUD operations on a MongoDB collection using ASP.NET Core
- Built responsive frontend interfaces using Vue.js, improving user engagement by 30% during testing
- Mentored peers in pair programming sessions, enhancing team productivity and code quality
- Conducted agile sprint planning and backlog tracking using Azure DevOps

Circle Mental Health App API | *Java, Spring Boot, AWS Lambda, DynamoDB*   March 2023 – May 2023
- Designed and deployed a scalable, serverless backend using AWS SAM, CloudFormation, Lambda, API Gateway, and DynamoDB
- Authored and executed over 50 unit and integration tests in Postman to ensure 95% test coverage
- Coordinated development tasks in a 4-person agile team using KanbanFlow

Seafood Skirmish | *C#, Unity*   September 2023 – December 2023
- Programmed gameplay mechanics and fishing physics for a Unity-based simulation game in a team of 4
- Managed version control and task assignments, ensuring all features were delivered on time
- Performed debugging and QA testing, resolving over 20 bugs and enhancing frame rate by 25%

Chat Room | *Python, customTkinter, Socket Programming, RSA Encryption*   October 2023 – December 2023
- Developed a desktop-based chat application with end-to-end RSA encryption and user notification system
- Designed the GUI with customTkinter and implemented socket communication protocol for real-time messaging
- Adapted agile practices to re-prioritize features dynamically based on team feedback

RELEVANT COURSEWORK

Software Engineering, Mobile Application Development, Object-Oriented Programming, Data Structures, Algorithms, UI Design, Operating Systems, Discrete Mathematics

EDUCATION

California State Polytechnic University, Pomona   Pomona, CA
Bachelor of Science in Computer Science   *Aug. 2019 – Dec 2023*

WORK EXPERIENCE

Shift Lead/Server   Rowland Heights, CA

MoMo Paradise   *September 2022 – Current*

- Led a team of servers during high-volume shifts, improving team coordination and service speed by 20%
- Trained 5+ new employees on operations, fostering a high-performing customer service culture
- Applied strong interpersonal and communication skills to ensure seamless team collaboration

Math Tutor   Walnut, CA

Mathnasium   *August 2019 – June 2020 (10 months)*

- Delivered personalized instruction to K–12 students, resulting in measurable performance gains of up to 2 letter grades
- Created tailored lesson plans and diagnostic assessments for groups of up to 16 students per session
- Received consistent positive feedback from students and parents, achieving a 100% satisfaction rate