

Toa Heck

Junior Software Engineer

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<https://www.linkedin.com/in/toa-heck/> | <https://toaheck.com> | <https://github.com/ToaHeck>

SKILLS

Languages: JavaScript (ES6+), Python, Swift, SQL, HTML5, CSS3

Frontend: React, SwiftUI, Bootstrap, Tailwind CSS, Responsive Design

Backend: Node.js, RESTful APIs, Authentication, PostgreSQL, Microsoft SQL Server, SQL

Tools: Git, GitHub, Jira, VS Code, Postman, Chrome DevTools,

Cloud: Netlify, Firebase, Serverless Functions

PROFESSIONAL EXPERIENCE

Topcon Positioning Systems, Livermore, CA

2022 – 2025

Software Development Intern

- Developed full-stack web application using JavaScript, HTML, CSS, and SQL Server, implementing user authentication, database queries, and business logic serving 50+ users.
- Engineered Python ETL pipeline using pyODBC, reducing manual processing time 60% and eliminating errors across 5,000+ records monthly.
- Implemented object-oriented design patterns, improving code maintainability and reducing bugs by 25%.

Forty-Me LLC, Pleasanton, CA

2023 – Present

Freelance Software Engineer (Startup and R&D)

- Developed iOS platform using Swift, SwiftUI, and Firebase with authentication and real-time database (beta testing).
- Translated 20+ Figma designs into production SwiftUI components through agile sprints and code reviews.
- Integrated RESTful APIs and SDKs for push notifications and analytics.

PROJECTS

Spotify Top 10 Tracker | JavaScript, Node.js, OAuth 2.0, Netlify

<https://github.com/ToaHeck/Your-Top-10-v2>

- Built and deployed full-stack application displaying Spotify data with responsive mobile-first design.
- Processed JSON from REST endpoints with asynchronous JavaScript and dynamic DOM manipulation.
- Deployed serverless functions for API key management with comprehensive error handling and debugging.

Database Automation System | Python, SQL

<https://github.com/ToaHeck/Python-Update-List>

- Created automated reconciliation processing 700+ records with data validation and conflict resolution.
- Developed Python scripts with pyODBC for database connectivity and transaction management.
- Reduced manual work from 1 hour to 10 minutes weekly (83.33% reduction).

EDUCATION

California State University - East Bay, Hayward, CA

2023

Bachelor of Science – Computer Science