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Dear Hiring Manager,

I am thrilled to apply for the at your company.

With my experience in front-end development, I have actively contributed to modernizing legacy systems, optimizing web application performance and automating end-to-end (E2E) testing for all infrastructures with my QA experience.

I have worked at Heybooster for two years and at PixaSoftware for half a term. Now, I am seeking new opportunities where I can further develop my professional skills, overcome new challenges, and make a meaningful impact.

At Heybooster, I contributed to an AI-powered analytics tool designed to optimize digital marketing performance. As a Frontend Developer in the team, I took responsibility for improving frontend infrastructure, architecting the test framework, and enhancing product quality.

I transferred and developed the designs for version V2 of Pixa Software's WMS/OMS product, which manages marketplace operations. I carried out UI/UX design, design system/component library, E2E scenarios, and API testing in an architecture based on Vue 3, Vite, Tailwind, PostCss, Vuetify, and Pinia/GraphQL. During this time, I was actively involved in:

- UI/UX design enhancements,
- Performance optimization efforts,
- Modernizing system infrastructure,
- Establishing test frameworks,
- Developing automated testing systems.

At the beginning, the application faced significant performance bottlenecks, including excessive data fetching, lack of state management, and unnecessarily large package sizes. By replacing costly npm packages, implementing Vuex for state management, and applying lazy loading strategies, I was able to reduce page load time from 35 seconds to under 3 seconds.

Additionally, I developed a custom test automation system for Heybooster, enabling the automation of E2E test processes and establishing a comprehensive test infrastructure.

Furthermore, I played a key role in migrating Heybooster's [app.heybooster.ai](#) project from **Vue.js 2 and Webpack** to **Vue.js 3 and Vite.js**, resulting in faster build times and significant performance improvements. This transition contributed to a scalable and maintainable development environment.

One of my primary career goals has been to strengthen team dynamics and improve product quality. By integrating unit tests, end-to-end tests, and CI/CD pipelines, I enhanced the robustness of the software development lifecycle at Heybooster and PixaSoftware.

In addition, I developed a powerful E2E testing tool consisting of four core modules:

Additionally, I have my own Test Automation: **TestBase – AI-Powered Test Automation Platform**

TestBase is an end-to-end, AI-powered test automation tool that redefines how teams approach quality assurance. Instead of manually repeating test cases, TestBase records user actions, understands scenarios, and automates them for future runs.

Automatic Test Recording & Replay :

- Every manual action is automatically recorded.
- Test scenarios can be replayed without writing scripts again.

Real-Time Visual Evidence :

- Capture instant screenshots and video recordings during test execution.
- Debugging is faster with visual proof of failures.

Step-by-Step Test Insights :

- Each scenario is broken down into steps with full outputs.
- Screenshots, videos, and API logs are available per step.

Scenario Saving & Reuse :

- Save any executed test scenario for future automation.
- Version control allows tracking changes and improvements over time.

Multi-Location Testing :

- Run tests from different countries to simulate real user experiences across geographies.

API Testing :

- Test APIs alongside UI workflows.
- Validate response bodies, headers, and status codes within the same platform.

AI-Powered Test Generation :

- Write test cases in plain language (e.g., "Go to login page, enter email and password, click login").
- AI interprets the instruction, executes the test, and generates detailed results.

- **The manual test builder**, which allows users to define selectors such as ID, XPath, or data-testid and create test steps accordingly.
- **The record mode**, which opens a new browser window and captures all user interactions in real-time, displaying them live in the UI panel.
- **The AI-powered live test runner**, which uses prompt-based instructions to perform test actions instantly and dynamically in the browser, while also visualizing all steps live in the UI.
- **Lastly, the AI-generated step creator**, which transforms user prompts into full test steps and displays them clearly in the test panel. At the end of each test session, the tool **automatically captures screenshots, logs, and video recordings of every step, providing users with full transparency and traceability**.

Technologies I Use:

Frontend: HTML, HTML5, CSS, JavaScript (ES6+), Java, TypeScript, jQuery, React, Vue.js, Vuetify, Next.js, Vite, Tailwind CSS, Express.js

State Management: Vuex, Redux, Pinia

Test Automation: Playwright, Selenium, JMeter, Puppeteer

Data Management: AWS S3, MongoDB, Postman

CI/CD Pipelines: Jenkins, Docker

API Development & Integration: RESTful API, GraphQL

Additionally, I built a **comprehensive test automation framework** using **Node.js, Express.js, React, Playwright, and Jenkins**. Within this system, I actively handled:

- UI and API testing,
- Capturing and analyzing API responses,
- Developing E2E, unit, snapshot, performance (JMeter), and functional tests,
- Creating custom APIs for automation with Node.js,
- Managing integration processes,
- Performing CRUD operations in MongoDB,
- Managing test processes with Docker and applying Docker integrations.

My ability to solve complex technical challenges, modernize systems, and optimize performance is complemented by my passion for continuous learning and innovative solutions. I believe my technical skills and proactive approach will add value to your team.

I would be delighted to discuss how my experience aligns with your company's needs. Thank you for considering my application—I look forward to the opportunity to contribute to your team.

Best regards,

Oğuzhan Sarıtaş

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