STAV LOBEL

SOFTWARE ENGINEER

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SUMMARY

Software Engineer with a strong foundation in Python, automation, and scalable architecture. Experienced in developing robust QA automation frameworks using PyTest, Playwright, Selenium, and CI/CD pipelines. Passionate about clean code, OOP, and building tools that elevate software quality and team efficiency.

TECHNICAL SKILLS

Python	CI/CD Pipelines	Selenium
PyTest	Playwright	API Testing
OOP & SOLID	TDD	Allure Reports
FastAPI	RESTful APIs	Unit & E2E Testing
Docker	Git & GitHub	Test Strategy
HTML/CSS/JS	Firebase	Automation Frameworks

AI TOOLS

ChatGPT	Claude	TensorFlow
GitHub Copilot	AI-Driven Development	OpenAI API
Gemini	PyTorch	Google Colab

PROFESSIONAL EXPERIENCE

Automation Developer, REE Automotive   **Mar 2023 – Jun 2025**

- Developed Python-based automation suite for EV system validation over CAN bus, reducing manual testing time by 40% and enabling 24/7 unattended regression runs, improving defect detection rate by ~25%.
- Engineered multithreaded analyzer to detect cycle-time violations in real time, cutting analysis turnaround from hours to minutes, and integrated automated HTML reporting into Git-based CI/CD, accelerating release readiness checks by 30%.
- Integrated PyTest frameworks for functional and UI testing across systems.
- Improved development velocity by applying clean architecture, OOP, and CI/CD via Bitbucket Pipelines.

Automation Developer, Intel Corporation   **Aug 2021 – Mar 2023**

- Led automation framework development for Thunderbolt validation using Robot Framework and Python, expanding automated coverage from 55% to 85%, reducing regression cycle from 3 days to under 1 day.
- Designed and optimized CI/CD pipelines (GitHub Actions, TeamCity) to support daily deployments, reducing build failures by 20% and cutting deployment times by 35%, improving developer productivity.

EDUCATION

B.Sc. in Software Engineering   **2017-2021**

SCE – Shamoon College of Engineering

- Selected for the AI & Data Analysis excellence track, focused on advanced machine learning, data-driven systems, and real-world AI applications.