BROOK SOLOMON

SOFTWARE ENGINEER

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SUMMARY

Goal-oriented software engineer with 5 **years** of experience in full stack development. Passionate about solving complex problems and delivering solutions. Proficient in project management, problem-solving, and fostering collaborative team environments. Skilled in leveraging innovative tools and methodologies to streamline operations and drive business success.

EDUCATION

BSC. Computer Science, Hilcoe School of computer Science and technology

CGPA : 3.92 / 4.0

Relevant Coursework: **Object-oriented Programming, Artificial Intelligence, Operating Systems, Computer Networks, System Design, Computer Architecture, Desktop Application design**

Harvard's CS50 🔗

Relevant Coursework: Algorithms and Data Structures, Programming Languages, Computer Systems, Web Development, Game Development, Data Science and Machine Learning, Cryptography and Security

Competitive programming, Africa to Silicon Valley (A2SV)

Google-supported A2SV has helped over 50+ students secure top tech internships and jobs at companies like **Google, Palantir,** and **Bloomberg** through its year-long program.

PROFESSIONAL EXPERIENCE

Full stack developer, M.A.D technologies   Oct 2023 - Present

- Created routing software using **Python, Kotlin,** and **Google's OR-Tools** that enhanced the company's daily deliveries by up to **300%**.
- Built an **AI-based** education platform using **Generative AI, Text-to-speech, Speech-to-text, Image generation, computer vision** using **python** and **mobile apps** using **Kotlin** to help kids understand real-world concepts in a simpler format reducing learning time by **55%**.

Head of education, A2SV   Dec 2024 - Apr 2025

- Educate the next generation starting from basics of DSA to expert level with the more complex topics and prepare them for the work environment of top tech companies.

Founding Full-Stack developer, Boxsy inc.   Apr 2025 - Present

- Developed and maintained end-to-end features for Boxsy's AI-powered operational readiness and relationship management platform, supporting both startup founders and investors using NextJs in the frontend and python in the backend.

Technical Lead, Google Developer Group   Sept 2024 - Present

- Build and maintain and lead the team of 15–20 developers to build consumer-facing products using HTML, CSS, JavaScript, and React, growing the user base by nearly **200**%.
- Multiple AI-based bot development using **Python** and **JavaScript**, including authentication systems using **JWT** and **Express** to help reach a larger user base, directing **40%** more traffic daily.
- Taught **Flutter** with **dart** and **game development** with **unity** and **C#** to a class of 12 students and co-developed mobile apps and desktop games.

TECHNICAL SKILLS

HTML	Next.js	Firebase	Java	Flask
CSS	Node.js	Supabase	TypeScript	Svelte-Kit
JavaScript	Express	C / C++	Prisma	SQL
React	Python	C#	MongoDb	Git / GitHub

AWARDS/ACTIVITIES

- GDSC Hilcoe hackathon second place (2022),
- A.A.S.T.U. hackathon second place (2023),
- A2SV generative hackathon semifinalist (2023)