

Stephan Hennion

Senior Software Engineer with development and architecture experience across the entire modern stack

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SKILLS:

Proficient Languages: C++, Swift, C
- Experience with GDScript, bash, Obj-C, Java, PostgreSQL
- Exposure to GLSL, Python, node.js, golang and C#
Frameworks/APIs: iOS SDK, Godot
Platforms: Mac OSX, Linux, Windows
Tools: Linux CLI, Xcode, git

WORK EXPERIENCE:

ADT Senior Firmware Engineer (June 2020 – Present)

- Ported GSM module to new LTE hardware platform, integrating with proprietary Hayes command set
- Assisted in general feature enhancement and bug fixing on embedded Linux product
- Participating in re-architecture and implementation of primary code base supporting our embedded Linux product

Senior iOS Developer (May 2019 – June 2020)

- Participated in standard feature development via Agile process
- Rewrote legacy components in pursuit of Obj-C to Swift conversion, as well as phasing out of deprecated or unsupported libraries
- Integrated primary iOS app with third party BLE hardware

Saucon Technologies Senior Software Engineer (March 2011 – May 2019)

- Developed and maintained extensive iOS app portfolio, with apps supporting real-time transportation schedule mapping, video, and proprietary hardware integration via BLE
- Back-end enhancement and support in a stack utilizing Java Spring, PostgreSQL, and MQTT via RabbitMQ
- Firmware development on custom hardware utilizing Nordic nRF5* series SoCs

INDEPENDENT PROJECTS:

Game Development

- Designed, implemented, and released *Chromovis*, a puzzle game for the iOS
- Experience with Godot, Unity3d, Blender, and various game development tools

Musical Synthesizer

- Experiments in digitally controlling an analog signal path musical synthesizer with MIDI via an Arduino

RESEARCH:

Akshaye Dhawan, Neal Shukla, Cassandra Chapman, Stephan Hennion, “*Fault-Tolerant Clustering in Dense Wireless Sensor Networks*”, In 2nd International Workshop on Advances in Networking and Computing (**WANC'11**), Osaka, Japan, November 2011

ACHIEVEMENTS:

Perfect Quantitative Score on Graduate Record Examination (GRE), October 2010

EDUCATION:

Syracuse University,
M.S. in Computer Science Dec 2020
3.9 GPA

Ursinus College,
B.S. in Computer Science and Mathematics May 2010