Gilad Rom

Technical Founder and Software Engineer
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Summary

Senior Software Engineer and Startup Founder with 10+ years of experience in creating, deploying and maintaining enterprise SaaS and consumer products. Proficient with C & HTML/JavaScript/Typscript, networking, System Architecture, AWS/GCP and Unix/Linux. Extremely passionate about reliability, optimization and bringing new ideas to life.

Skills

JavaScript • Embedded Systems • TypeScript • HTML/CSS • Systems architecture • Node.js • Linux • Hardware

Work Experience

Head Of Engineering
Mar 2022 – Nov 2022 • 8 mos

Innerwell • Full-time

Remote

Technologies: JavaScript • AWS (Amazon Web Services) • Google Cloud Platform • RESTful Web Services

- Design and implementation of initial platform architecture with remote design team
- 3rd party vendor evaluation and selection
- Feature implementation and platform integration using AWS, Node.JS, Lambda and Google Cloud
- Implemented secure signing features to maintain HIPAA compliance
- Assisting and guiding the Development and Ops teams

Founder
Mar 2018 – present

Huan • Full-time

Remote

Technologies: Node.js • Firebase • iOS • Android • TypeScript

- Built a network of over 18,000 users nationwide and generated over $500k in revenue in 2021
- Raised venture capital and an angel round
- Used Ionic/Cordova to create a hybrid, cross-platform app to run on both iOS and Android
- Google Firebase (Firestore) and Google Cloud Functions, using Typescript and Node.js for automation and various integrations (Twilio, Sendgrid, Stripe).
- Built a DTC/B2C frontend using WordPress and Shopify

Solutions Architect
Oct 2014 – Aug 2017 • 2 yrs 10 mos

Ericsson • Full-time

Remote

Technologies: Linux • Saas (software As A Service) • Shell scripts • Automation • Testing

- Worked as part of several multinational teams in order to develop, customize and deploy large scale OTT/nDVR/CDN solutions for major Tier-1 MSOs worldwide (Asia, Oceania, North/South America).
- Deployed Proof of Concept systems, customize and work with the customer through the development and testing process to ensure timely implementation and delivery.
- System sizing and architecture for complete end-to-end solutions (from content ingestion to end customer delivery)
- Integration efforts with 3rd party vendors, including DRM and CDN providers.

Solutions Architect

Jan 2012 – Oct 2014 • 2 yrs 9 mos

Fabrix Systems • Full-time

Ra'anana, Israel

- Large scale design, Proof-of-concept and implementation of an OTT CDN Origin Server for a Tier-1 operator in North America.
- Software Development and customer-specific adaptations in order to accelerate Time to Market.
- Interact with the customer to define and provide technical, competence development solutions that enhances the customer's competitive position.
- Plan, design and deliver solutions that improve the customer network in terms of capacity, functionality, end-user-services, innovation, and business needs.

Senior Software Engineer

Sep 2007 – Jan 2012 • 4 yrs 4 mos

Fabrix Systems

Ra'anana, Israel

- Platform management and automation for the industry's largest RS-DVR deployment (North America)
- Parallel file systems benchmarking and optimization (PVFS/Hadoop/HDFS)
- High-Availability services (Linux-HA) and automated cluster provisioning using open source tools
- Mission-critical, production System Administration and maintenance
- Integration and Software development (C++/Shell Scripting)

Consultant

Jan 2007 – Sep 2007 • 8 mos

Romat Telecom

Israel

- Embedded Linux (Blackfin) bring-up and setup, including Kernel driver development and product deployment (TDM over Ethernet).
- Asterisk PBX and Zaptel driver development and integration, using Debian/ Fedora.
- System administration, multiple nationwide remote sites

Consultant

Nov 2006 – Sep 2007 • 10 mos

The DSP Group • Contract

Herzliya, Israel

Technologies: Bash • Embedded linux • Arm • Gnu/linux • Oss (open Source software)

- Designed and implemented an automated build system for cross platform deployment (x86/ARM) utilizing existing open-source products (Buildroot) and toolchains (GNU).
- Developed an automatic build system for buildroot/uClibc/busybox using NPTL and ARM-EABI in order to build a complete cross-platform development environment for various software/hardware configurations.
- Designed and implemented an embedded Linux BSP (ARM)
- Integrated Open-source projects with internal company code

Software Engineer

Apr 2002 – Apr 2005 • 3 yrs

Romat Telecom

Israel

- The Hydra Residential Gateway project, Based on Linux/MIPS (AMD Alchemy)
- Monitoring and control interface using CGI/C.
- Low-level Kernel drivers (GPIO/Static Bus/Ethernet PHY/Flash Partitioning).
- Zero-configuration module utilizing custom TCP packet generation and injection (TCP session hijacking).
- Porting of the Conexant ADSL API to the target Hardware board.
- Hardware/Software integration.

Projects

Blog Generator   Nov 2022 – present

Technologies: Node.js • Artificial neural network • Shopify

Building an automated blog generator to increase my SEO performance using GPT3/OpenAI.

Languages

English (Native or bilingual proficiency)

Hebrew (Native or bilingual proficiency)