# Nicholas Squires

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## Professional Experience

**Blueprint Power** - New York, NY - Co-Founder + VP of Software                    10/2017 +

+ Responsible for the design, development, architecture, and integration of all major software systems that run the platform. Hands on contribution.
+ Responsible for the establishment, implementation, and continuous improvement of software processes, standards, and best practices across the company.
+ Built and managed a team of offshore and onshore engineers to develop and deploy Blueprint's MVP.
+ Architected and managed the integration of multiple third party hardware and software platforms.
+ Project management, technical direction, and guidance for Software product development and strategic roadmap for a next-generation system.

**Modeselekt** - Downtown Los Angeles, CA - Founder + Principal                    04/2015 +

+ **Virgin Limited Edition** - Sir Richard Branson's Necker Island Renewable Energy Microgrid
    - Chief Communications Architect - Designed, built and commissioned the secure microgrid control network connecting the system of diesel generators (900kW), solar (350kw), battery storage (1.2MW), wind turbines (300kW), and controllable loads that power the island today. The system reduced diesel fuel dependence by over 90%.
+ NRG Station A
    - Microgrid control, network, IT, and cybersecurity architecture and design for multiple PV, PV+storage, PV+Gen+Storage microgrid projects.
    - Led technical due diligence of multiple microgrid controls providers

**The Boeing Company** - Huntington Beach, CA - Software & Systems Engineer        1999 - 2014

+ Proven, innovative, and hard-working engineer with 15+ years of architecting, designing, coding, and deploying production Software and IT (data centers, network, cyber) systems in the Space, Defense, and Renewable Energy domains (Smart Grid, Commercial Crew Vehicle, Space Station, Space Shuttle, GPS).

## Education

+ **MS Physics** - Magna Cum Laude (Focus: Electron States in Few-Layer Graphene Structures) California State University, Long Beach - 2009
+ **BS Physics, Minor Mathematics** - Summa Cum Laude (Focus: High Temperature Superconductivity) University of California, Davis - 2004

## Volunteer

+ Coding and computer skills instructor @ Downtown Women's Center (Downtown, Los Angeles)**,** Hour of Code (South Central Los Angeles), Instituto Internacional of Madrid (Spain).

## Language

English (Native), Spanish (Second)