

Nicholas Squires

Entrepreneur, Software & Systems Engineering Professional
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Professional Experience

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

- + Latest projects: Harvard Kennedy School, Emerald Innovations and more @ modeselekt.com
- + 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

Blueprint Power - New York, NY - Co-Founder + VP of Software 9/2017 - 10/2020

- + Successfully deployed Blueprint's MVP distributed hardware and software platforms. Responsible for the design, development, architecture, and deployment of Blueprint's MVP hardware and software products. Hands on contributions.
- + Built, hired and managed a team of 15 offshore and onshore hardware and software engineers..
- + Responsible for the establishment, implementation, and continuous improvement of company-wide software and systems processes, standards, documentation and best practices.
- + Architected and managed the integration of multiple third party hardware and software platforms.
- + Project management, architecture and requirements development, technical direction, and guidance for Software product development and developed the platform strategic roadmap for our next-generation system.

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 (Electron States in Few-Layer Graphenes)
California State University, Long Beach - 2009
- + BS Physics, Minor Mathematics - Summa Cum Laude (High Temperature Superconductivity)
University of California, Davis - 2004

Volunteering

- + 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)