PATRICK JAMES GOSACK
ELECTRICAL ENGINEER

Prior *military* electrical and system engineer. Employed in the nuclear industry with a new-found passion for software engineering. Experienced with online, operations-critical troubleshooting, component level rework and *root cause analysis*. Outside of work, I enjoy reading, playing music with friends and travelling to exotic, unconventional places.

📂 SOFTWARE ENGINEERING PROJECTS

System Design Capstone
Lorem ipsum dolor sit amet, consectetur adipiscing elit
- Fought back one of the largest wilding armies ever.
- Stepped up when the commander was down.
- Events led to my nomination as Lord Commander

Songify
Implementation of Spotify Front-End built with React/MongoDB, deployed with Amazon EC2
- Utilized service oriented architecture to maintain clear separation of concerns and loosely coupled components
- Complete code test coverage with continuous integration (Jest/Enzyme/Circle CI)

🎓 EDUCATION

2019

Software Engineering Immersive
Hack Reactor   📍 Phoenix Arizona

2015 | 2011

BS Electrical Engineering | BA International Affairs
Northern Arizona University   📍 Flagstaff Arizona

2011

German Language Immersive
Leuphana Universität   📍 Lüneburg Germany

👍 EMPLOYMENT

-Now- | 2014

System Engineer
Palo Verde Nuclear Generating Station   📍 Tonopah Arizona

Relationship of the number with the answer to life, the universe and everything

- Provide validation, HDL models, simulation and documentation of locally reverse engineered electronics to combat obsolescence
- Automated plant critical data collection from system continuous monitoring instruments
- Experienced bench technician; proficient with electronics troubleshooting and rework
- Performed emergent troubleshooting and design validation for the operations critical Control Element Drive Mechanism Control System

2010 | 2006

Security Forces
United States Air Force   📍 Domestic and International

Made the bed, folded the towels, listened a lot.

- Deployed twice to AOR in support of Operation Iraqi Freedom; Operation Enduring Freedom
- Member of Restricted Area Maintenance Team; performed time critical repairs to security sensitive electronics in a resource limited expeditionary environment

PORTFOLIO
 zibmcnib

CONTACT INFO
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 📍 Phoenix

SKILLS
LANGUAGES AND FRAMEWORKS
Javascript ES6
MATLAB
VHDL
React
Redux
Node.js
Pug
C

DATABASES
MongoDB
mySQL

TOOLS
GNU/Linux
CircleCI
Jest
git
npm

ENGINEERING
Component Level Rework
Root Cause Analysis
System Engineering
Trending
Analytics