

Dennis Ruto

Software Developer

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Portfolio: <https://rutodeno.github.io/profile/>

Professional Summary

Software developer with a background in Electrical Engineering. Also, a US Army reservist recently deployed to Kuwait and Afghanistan. Passionate about learning and developing code using problem-solving skills from the engineering background and gritty life experience from the military.

Education

University of Pennsylvania Coding Boot Camp, July 2018
Full Stack Web Development
Drexel University, June 2014
Bachelor of Science in Electrical Engineering

Technical Skills

- HTML, Bootstrap, Media Queries, CSS, APIs, AJAX, Javascript, jQuery, ReactJs, JSON
- Node.Js, Express, Sequelize, ORM, Handlebars, MVC, Yarn, NPM, VHDL
- Firebase, MySQL, MongoDB, Git, GitHub, MATLAB, SIMULINK, ModelSim, LabVIEW
- Caliber, VersionOne, Primavera, IBM/Rational ClearCase, Rational DOORS, Cadence, Pro/ENGINEER

Applications Built

Work For Me | Front-end developer | <https://github.com/kushbhavsar/work-wonders>

A way to delegate daily chores.

- Utilized ReactJs to develop front-end to create a login, register page, and bid page.
- Customized user interface using Bootstrap and CSS.
- Developed API GET and POST routes to retrieve and submit user data to a database.

WebScraper | <https://github.com/rutodeno/article-logger>

- Built an app that scrapes articles from a website to allow users to save and add comments for future reference.
- Extracted the articles using cheerios and saved them to a MongoDB database.
- Created the front-end using jQuery and Material design framework.

TuneTracker | <https://bereznd1.github.io/TuneTracker/>

A way for local artist to meet up and collaborate.

- Collaborated in a team of 4 to develop an app that captures musician YouTube link and displays it with a location tag.
- Implemented functionality using YouTube API and Mapbox.
- Developed app using YouTube API.

Experience

Mckean Defense - Philadelphia, PA

May 2016 - Present

Electrical Engineer

- Design 440/120VAC power distribution systems for CVN hull-class carriers in support of ship HME (Hull, Mechanical, and Electrical) modifications in support of fleet modernization.
- Create various 3-phase topologies utilizing both delta and wye transformer configurations.
- Perform electrical load analyses, sized switchboard breakers, transformers, and panels.
- Communicate with manufacturers to determine correct material specification that fit design requirements for efficient installation.

US Army Reserve - Fort Dix, NJ

January 2015 - Present

Interior Electrician

- Install transformers, junction boxes, circuit breakers, service panels, switches, electrical boxes and lightning rods.
- Read blueprints, wire plans and repair orders according to NEC standards to determine layouts/repair.
- Test equipment for the operational conduction of circuits.
- Inspect power distribution systems, shorts in wires and faulty equipment.
- Repair and replace faulty wiring and lighting fixtures.

Schweitzer Engineering Laboratories - King of Prussia, PA

September 2012 - March 2013

R&D Intern

- Tested the SEL-849 Motor Relay, SEL-710-5 Motor Protection Relay, SEL-751 and SEL-751A Feeder Protection Relay firmware to meet specifications.
- Conducted and documented test procedures result using database programs.
- Worked cooperatively with a team of four reporting new results and resolve issues during weekly meetings.

Schweitzer Engineering Laboratories - King of Prussia, PA

September 2011 - March 2012

IT Intern

- Programmed initial code for the SEL-3402 digital clock.
- Tested SEL-3402 firmware to meet specifications and engineering requirements.
- Communicated and documented test results using spreadsheets, database programs, and CASE tools.

Siemens Healthcare - Malvern, PA

September 2010 - March 2011

Support Analyst

- Provided first level support for project management software such as Primavera and VersionOne by ensuring prioritized issues were addressed, assigned and closed according to the service level agreement.
- Maintained communications with internal customers to ensure issues were resolved and proper follow up to their satisfaction.
- Generated and maintained custom reports, user guides in accordance with SOX (Sarbanes-Oxley Compliance) internal processes.
- Participated in the Caliber upgrade, including enabling LDAP (Lightweight Directory Access Protocol), updating user list and ensuring users had training records.

Project

Active Power Filter Design, Senior Design Project

September 2013 - June 2014

- Designed an active power filter (APF) to eliminate total harmonic distortion in the source current to improve power quality.
- Devised a control algorithm using Simulink to detect and eliminate harmonics in the source current.
- Engineered a Simulink model of APF and performing tests on it under different conditions.
- Designed a scaled-down hardware model of the APF component.

Awards

- Army Achievement Medal (AAM) - December 2017
- Distinguished Soldier Award - December 2015