

# Ryan C. Schmid

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*Exploring cloud engineering, DevOps, & Product Management opportunities. Full-stack developer with adaptive background; previously held SECRET clearance. Former military officer and energy industry professional; robust experience in operations and project management.*

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## Cellular Tracking Technologies: Cloud Operations Leader & Software Developer (Cape May, NJ)

November 2020 - present

*Full-stack web developer & cloud operations manager for IoT device manufacturer of telemetry devices for scientific/ wildlife research*

- Cloud DevOps leader; designs, develops, deploys, and maintains company AWS infrastructure. Orchestrates coordination across 4x databases (MongoDB Community & PostgreSQL RDS), 10+ load-balanced managed microservices (Linux EC2/ ELB, NodeJS, Nginx), 2x customer data portal web applications (ReactJS, Django), company admin tools, & enterprise SaaS (Airtable, Shopify, Stripe)
- Leads web architecture and IoT device data protocols for new and existing devices, including firmware and configuration delivery
- REST API development & maintenance: architected integrations with Max Planck Institute/ Movebank, Motus/ Birds Canada, and other nonprofit entities. Enabled sharing and standardization of massive quantities of wildlife research & ecological data
- Skills include: Linux/ Ubuntu Server, Nginx, AWS (EC2, Elastic Beanstalk, RDS, S3), Git version control (Bitbucket/ Github), VSCode, NodeJS & npm (ES6, ExpressJS), vanilla JS, MongoDB/ Mongoose, PostgreSQL/ Sequelize, Telecom API (Twilio, Nordic Cloud, Telenor etc.). Exposure working with: Docker, Python (Django framework), Frontend frameworks (ReactJS, Bootstrap)

*Business Operations Advisor - served as trusted product mgmt & financial ops consultant to CEO/COO/CTO*

- Outlined development cycles across multiple products/ technologies (UHF radio, GSM/LTE cellular, Iridium/ ARGOS satellite); coordinated teams/departments of hardware, software, sales, and manufacturing staff in executing launch/ go-to-market strategy.
- Built cellular data billing system for company IoT fleet (10k+ devices), reducing admin overhead and yielding ~\$300k ARR

## General Electric: Lead Project Manager (Schenectady, NY)

2019 - 2020

*GE Renewable Energy, Onshore Wind Industry - Project execution leader in North America Region (August 2019 - November 2020)*

- Planning & execution of highly technical wind turbine re-powering agreements; led 90+ turbine, \$10M+ upgrades of wind farm w/ major component exchanges, civil works, balance-of-plant, delivery logistics, and commissioning.
- Direct management of GE installation projects (6+ construction sites/ projects across SD, TX, NE, & OR). Directed Engineering, Procurement, & Construction (EPC) contractors & subcontractors for extended scope work required by customer/ developer.
- Hired permanently off of highly selective business leadership program (JOLP) a year early (typically 2-year rotational schedule)

*GE Power business leadership program; product marketing manager for intermediate gas turbine segment (January - July 2019)*

- Refined commercial playbook for 100-210 MW units in competitive gas power market; key contributor to Hydrogen & alternative fuel campaigns; Gained exposure to senior executive product management & business transformation; developed skills in customer comms, market segmentation, demand forecasting, data analysis, & Salesforce CRM

## U.S. Coast Guard Officer (San Diego, CA; Novato, CA; Corpus Christi, TX)

2011 - 2018

*Active Duty Jun 2011 - Aug 2017, Reserve Duty Sep 2017- Dec 2018*

- Hurricanes IRMA/ MARIA response: Deployed to the USVI, directed safe & efficient removal/ salvage of 500 storm-impacted vessels from maritime environment; safely & swiftly executed \$39.7 million Federal Emergency Management Agency (FEMA) mission
- Lead federal official on-scene for nat'l environmental operations: Oversaw safe and effective 1k+ person response following 140k gal release of crude oil into Pacific Ocean; directed technical staff spanning 4 states in wake of 3M gallon release of toxic mine water
- Pacific Strike Team Assistant Operations Officer: led response to national-level environmental disasters. Oversaw administrative and physical security of a 60+ person military facility including access control & security clearance administration
- USCG's Deputy Chief of Enforcement in Port of San Diego: Directed multi-mission operations and surface scheduling for 9 patrol vessels (10k resource hours/ year). Served as lead USCG law enforcement representative: contributed to seizure of 250,000+ pounds of illicit drugs & 1,500+ arrests. Planned and directed all USCG maritime/port security operations on behalf of the San Diego Captain of the Port; coordinated over 500 high-value-asset security escorts for US Navy 3<sup>rd</sup> Fleet
- Designated USCG representative in interagency command center; led 6-person watch team & coordinated 24/7 operations along Southwest US/ MX Border; 180+ responses spanning missions including search & rescue, counter-drug, & marine pollution/ safety

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## EDUCATION & CERTIFICATIONS

### UNITED STATES COAST GUARD ACADEMY

*B.S. Marine & Environmental Science, High Honors - 3.69 GPA*

### CODEUP

*Certificate of Completion- Computer Software Engineering*

*18-week, 600+ hour, full-stack Java EE career accelerator*

### AMAZON WEB SERVICES

*AWS Certified Cloud Practitioner - Issued September 2022*

### LEAN SIX SIGMA YELLOW BELT

*American Society for Quality - Issued September 2020*

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## EXTRACURRICULAR ACCOMPLISHMENTS

### 4-YEAR NCAA VARSITY ATHLETE: Football

Team Captain, ESPN Division III Academic All-American, various awards

### VOLUNTEER WORK

- Admissions Partner, U.S. Coast Guard Academy
- Habitat mgmt & restoration, The Wetlands Institute
- Wildlife habitat protection, New Jersey DEP

### HOBBIES/ INTERESTS

Beach (swimming, boating, wildlife), cooking, skiing, gardening