

# Ruben Dedman

DevNet Practice Lead –  
AI Developer & Network  
Automation Expert

## About Me

Innovative DevNet Practice Lead with over 12 years of IT experience, specializing in digital transformation, AI-driven solutions, and network automation. Passionate about elevating legacy Network Engineers to Network Developers, supercharging internal processes, and building systems that deliver consistent, exceptional customer experiences. Expertise in harnessing open-source software, cloud technologies, and APIs to drive business growth and efficiency across diverse verticals.

## Contact Information

Location: Remote

## Skills & Expertise

### ★★★★★★★★ Programming Languages

Python, Node.js, Next.js, Ruby on Rails, HTML/CSS, R

### ★★★★★★★★ Full-Stack Development

FastAPI, Flask, Streamlit (Backend), React (Frontend)

### ★★★★★★★★ Databases

PostgreSQL, SQL, MongoDB

### ★★★★★★★★ Vector Databases

Chroma, pgvector, Pinecone, Milvus

### ★★★★★★ Artificial Intelligence

Claude, OpenAI, Langchain, Llama 3.1, Gemini, Huggingface, Julius AI, TogetherAI

### ★★★★★ Cloud Computing

AWS, GCP

### ★★★★ DevOps & CI/CD

## Professional Experience

### DevNet Practice Lead – AI Developer at TD SYNTEX

September 2021–Current

AI Developer Consultant 2023–Present

Network Automation Consultant 2021–2023

Collaborated with C-level executives to develop comprehensive Cisco DevNet enablement practices, including certification roadmaps, training materials, and go-to-market strategies. Spearheaded AI application development, creating tools for intelligent analysis of Cisco sales data and customer trends. Retained high-value partners (\$50 million/year) through customer obsession and exceptional service, turning disgruntled clients into advocates.

## Key Projects:

- **AI-Powered Network Management:** Developed a full-stack AI assistant for automating network management tasks.
- **Intelligent Asset Management:** Built a full-stack solution integrating with Cisco backend APIs for comprehensive asset management.
- **AI-Enhanced Chatbots for MSPs:** Utilized Langchain to create AI chatbots integrating with SQL databases and Cisco APIs.
- **AI-Driven Sales Analysis:** Implemented Langchain for real-time analysis of Cisco sales data.
- **Meraki Network Migration Automation:** Created an intelligent automation tool for Meraki network migrations.

### Network Engineer at WhiteSky Communications LLC

January 2020–April 2021

- Designed and built high-capacity fiber optic networks, including 5, 10, 40, and 100 Gigabit DWDM wavelengths.
- Managed data center infrastructure and campus network designs for multiple clients. Introduced network automation tools and Python scripts, streamlining network management tasks.

### Cisco Field Engineer at Boingo

August 2019–January 2020

- Provided hands-on hardware support for critical infrastructure at major locations including LAX Airport.
- Installed and maintained Cisco Wireless infrastructure, ensuring seamless connectivity in high-traffic environments.

### Network Engineer at DakotaPro

July 2018–July 2019

- Designed and implemented network and tower infrastructure topologies for large-scale deployments.
- Managed a network of 5000+ devices using various troubleshooting platforms.

Git, GitHub, GitLab, Docker, Ansible, CI/CD Pipelines

### ★★★ Networking

Cisco IOS-XE, Nexus, ACI, DNA, SD-WAN, Meraki

### ★★ API Integration

REST APIs, Webhooks, OAuth2

### ★ Documentation

DocuSaurus, Sphinx, Readthedocs, Jekyll

## Lead Cisco Field Engineer at Coserve

March 2018–August 2018

- Led a team of network technicians, conducting job walks and creating detailed project plans for network upgrades.
- Directed rack and cut-over processes for new Cisco switch implementations.

### 🎓 Achievements

#### Professional Certifications

🏛️ Cisco & Amazon

Obtained several industry-recognized certifications, demonstrating expertise across cloud computing, networking, and technology distribution:

- **AWS Certified Cloud Practitioner: Validated knowledge of AWS Cloud concepts, services, and terminology.**
- **CCNA (Cisco Certified Network Associate): Showcased proficiency in networking fundamentals, IP services, security, and automation.**
- **CMNA (Meraki Certified Network Associate): Demonstrated expertise in Meraki cloud-managed networks.**
- **Black Belt Distribution Success Presales: Validated skills in solution selling and partner enablement.**
- **Black Belt Distribution Cisco Designed for Business Presales: Showcased knowledge in Cisco's business-focused solutions.**
- **Black Belt Distribution Enterprise Networking Presales: Demonstrated proficiency in enterprise networking solutions and architectures.**

#### University Transfer

🏛️ Cypress College 2008 – 2010

Completed university transfer program, focusing on biology. Member of the Alpha Gamma Sigma Honor Society Sigma Psi chapter, demonstrating academic excellence and commitment to learning in the field of Biology.

#### IT and Networking

🏛️ New Horizons Technical School 2012 – 2015

Completed comprehensive training in servers, networking, and programming. Gained hands-on experience with various IT systems and developed a strong foundation in network administration and software development principles.











### 🔍 Additional Information

#### 🎓 Teaching Experience

##### Network Engineer Classes & NetDevOps Workshops (Sep 2018 – Present)

- 🧑‍🏫 Mentored and trained professionals at all levels, including CCIEs, helping them advance their careers and embrace the latest technologies.
  - 📖 Conducted workshops on DevOps and networking topics, such as Automation, Version Control, CI/CD, and Networking with Python.
  - 🚀 Empowered network professionals to embrace digital transformation by integrating modern DevNet practices into their workflows.
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## Honors & Awards

-  Employee of the Quarter | TD SYNEX | 2023
  -  Partner Award | TD SYNEX | July 2023 & Nov 2023
  -  Teamwork Award | TD SYNEX | July 2023
  -  DevNet DevOps Partner Club Winner | Cisco | 2022
  -  Customer Service Award | Mural Consulting | 2017
  -  Top Seller & Customer Service | Geek Squad Best Buy | 2013
  -  Alpha Gamma Sigma Honor Society Sigma Psi | Cypress College, Cypress, CA | 2008
  -  Army Commendation Medal | United States Army | 2006
  -  Army Accommodation Medal | United States Army | 2005
  -  Army Accommodation Medal | United States Army | 2004
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## Publications and Media

### Podcasts

- [AI and DevNet: Transforming Network Operations](#)
- [Demystifying AI Implementation in IT Infrastructure](#)
- [Building Unicorn Employees: Empowering IT Professionals](#)

### Articles

- [DevNet Fundamentals: Bridging the Gap Between Networking and Development](#)
- [Network Transformation: Embracing Automation and AI](#)
- [Cisco DevNet: Revolutionizing Network Programming](#)