

Kellen Butler

PRINCIPAL RAN DESIGN ENGINEER · PRODUCT & PLATFORM BUILDER

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SUMMARY

Principal RAN Design Engineer and product-minded builder with 14+ years at AT&T, where I've grown from hands-on RAN engineering into owning the standards, platforms, and tooling behind nationally adopted 5G design. I turn complex engineering problems into practical tools, platforms, and product decisions — increasingly with a product focus: what gets built, why, and how it earns long-term adoption. Outside work, I ship independent products with a bias toward usefulness and restraint.

EXPERIENCE

Principal RAN Design Engineer — HQ RAN Design Standards

MAR 2024 – PRESENT

AT&T · Oklahoma City, OK

- Own the platform and tooling requirements for nationally adopted RAN design standards, acting as the primary liaison between RAN engineering, internal platform teams, and external partners.
- Define roadmap inputs, prioritization, and success metrics for large-scale tooling initiatives — including efforts targeting a 50% reduction in engineering cycle time across multiple workflows.
- Led the national rollout and adoption of standardized RAN design tooling now used by 200+ engineers, with measurable gains in workflow efficiency, data integrity, and design confidence.
- Guide platform evolution toward performance-sensitive, simulation-driven design workflows by defining requirements for data fidelity, scalability, and system integration.

Principal RAN Design Engineer — Arkansas/Oklahoma Market

NOV 2021 – MAR 2024

AT&T · Oklahoma City, OK

- Led and mentored a team of 10 engineers, setting technical direction and ensuring consistent, high-quality RAN design across the market.
- Drove market-level tooling and automation end to end — identifying pain points, defining requirements, prioritizing features, and guiding adoption.
- Delivered custom automation that cut manual data entry by roughly 75%, freeing engineers for higher-value design and decision work.
- Established market-level design standards and data-quality practices that improved consistency and confidence in network planning.

RAN Design Engineer — Progressive Roles

AUG 2011 – NOV 2021

AT&T · Oklahoma City, OK

- Advanced through roles of increasing responsibility across UMTS, LTE, and early 5G, contributing to complex RAN design decisions, market-wide standards, and large-scale deployments.
- Built deep expertise balancing network performance, deployment constraints, and cost — while supporting increasingly critical projects and mentoring junior engineers.

Research & Development Intern

FEB 2010 – AUG 2011

Strategic Solutions International · Stillwater, OK

- Designed and built a web-based time-tracking system supporting federal compliance for grant-funded projects.
- Developed scalable data collection, processing, and visualization software (Java, PostgreSQL)

for real-time monitoring.

Graduate Research Assistant

2008 - 2011

Oklahoma State University · Stillwater, OK

- Researched SAW filters for chemical-warfare detection and ran image-quality experiments, co-authoring a conference paper.
- Mentored student design teams end to end and designed embedded hardware, including schematics and PCB layouts.

EDUCATION

M.B.A., Business Administration & Management

University of Oklahoma — Price College of Business 2015 - 2017

M.S., Electrical Engineering

Oklahoma State University 2010 - 2014

B.S., Electrical Engineering

Oklahoma State University 2006 - 2010

SKILLS

WIRELESS & NETWORKS

RAN design

5G cell-site design

Large-scale network design

Standards & tooling

PRODUCT & PLATFORM

Product management

Platform strategy

Roadmapping & prioritization

Cross-functional leadership

ENGINEERING & AUTOMATION

Workflow automation

Internal tooling

Simulation-driven workflows

Data quality

HANDS-ON & HARDWARE

Home automation

Sensing & monitoring (ESP32)

Embedded / PCB roots

WAYS OF WORKING

Technical leadership

Mentoring

Privacy-conscious building

SELECTED PROJECTS

Practical Tools for Complex Engineering Work

ENTERPRISE SYSTEMS

Tools and automation that moved repetitive, data-heavy work into reliable systems — so engineers could spend their time where it mattered.

YardLedger

PRODUCT

A product that helps homeowners — from total novices to seasoned enthusiasts — get the most out of their lawns, as simply as possible.

Thinknest

CONSUMER SOFTWARE

A calmer children's app, built against how many kids' apps lean on ads, dark patterns, and upsells. The goal: something simple, trustworthy, and quiet.