

Ramel Fields

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SOFTWARE ENGINEER

Software Engineer focused on mobile and full-stack development, building clean, user-centered applications from React Native mobile apps to backend services.

Background in security-sensitive, on-prem infrastructure supporting large public-sector environments shaped a systems driven approach to engineering prioritizing reliability, security, and resilience. I bring that mindset to modern software development through maintainable architectures, strong UX, and secure-by-design practices.

Core Competencies

- Full-Stack Application Development
- React Native Mobile Development
- Version Control (Git)
- Cloud Services & App Development
- System Optimization
- Networking & Security Fundamentals
- Database Design & Management
- Component Architecture
- Responsive Web Dev
- REST API Design & Integration
- Analytical Problem Solving

PROFESSIONAL EXPERIENCE

Ark Systems Inc, Salisbury, MD

Security & Communications Engineer | *October 2021-Present*

A cutting-edge security & communications company specializing in the design and integration of high-performance communication systems, networking infrastructure, and security solutions for public-sector projects, including municipalities, airports, and critical facilities.

- Led the design and deployment of large scale security and communications networks protecting 20,000+ students and facility occupants across municipalities, schools, law enforcement agencies, and critical public sector environments spanning four counties.
- Integrated IP based surveillance, access control, and public address systems into diverse environments, delivering reliable, user friendly solutions for both public and private sector stakeholders.

- Designed and implemented redundant network architectures using Ubiquiti wireless backhubs to support mission critical surveillance systems, achieving 99.99% uptime and eliminating signal interference across multi site deployments.
- Configured and optimized server and network management infrastructure, ensuring scalability, system resilience, and cybersecurity for thousands of active users.
- Collaborated closely with law enforcement and public safety teams to deploy real time monitoring and access control solutions, improving situational awareness and emergency response effectiveness.
- Diagnosed and resolved complex networking and systems issues across TCP/IP networks and Windows Server environments, maintaining continuous operation of mission critical systems.

100 Devs, Remote

Software Engineer | Oct 23-Present

A dynamic web development agency specializing in creating responsive, user-focused digital solutions that enhance online presence, drive engagement, and optimize business performance.

- Delivered multiple client-facing web applications, focusing on responsive design, performance, and accessibility to create smooth, reliable user experiences.
- Built and maintained full stack applications, writing clean, modular code that supported fast iteration and long term scalability.
- Designed and integrated custom backend APIs, improving data flow and reducing latency for interactive, data driven front end features.
- Collaborated closely with designers, developers, and clients to translate business goals into practical, user-focused solutions.
- Worked directly with clients to improve their digital presence, offering technical guidance that contributed to stronger engagement, usability, and conversion paths.
- Developed tailored web solutions aligned with client growth objectives, supporting sales performance and scalable business expansion.

Absolute Security, Salisbury, MD

Security Systems Technician | April 2018-October 2021

- Installed and configured residential and commercial security systems, tailoring solutions to meet customer needs while ensuring seamless integration and long-term reliability.
- Designed and optimized CCTV network environments, improving monitoring coverage and efficiency for businesses and homeowners.
- Developed streamlined network setup and installation processes, reducing deployment times and enhancing overall system performance.
- Boosted customer retention by 15% year-over-year through high-quality installations, proactive support, and a commitment to customer satisfaction.

Verizon Wireless, Ocean City, MD

Technical Support & Account Management specialist | April 2016-April 2018

- Diagnosed and resolved network, software, and hardware issues, ensuring seamless device functionality and an improved customer experience.

- Managed large-scale customer accounts, including business clients with 50+ users and devices, maintaining account integrity and facilitating smooth transitions during system changes.
- Increased store sales by 15% in just five months by implementing strategic sales techniques, enhancing customer engagement, and optimizing service offerings..
- Leveraged promotions and deals to save customers an average of 10%, driving loyalty and increasing long-term retention.

EDUCATION & PROFESSIONAL DEVELOPMENT

Southern New Hampshire University, Manchester, NH

Virginia Wesleyan University, Virginia Beach, VA

Motorola Solutions

Avigilon Control Center 7 Operator and Administrator Certification | *Completed 2022/2023*

Motorola Solutions

Avigilon Access Control Manager 6 Operator Certification | *Completed 2022/2023*