Shane Parkerson

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PROFILE

Passionate Technology advocate with a broad range of experience across software development, wireless engineering, data analytics, project and team management.

Strong technical and analytical skills rooted in substantial engineering training and education, holding a BSEE and Project Management Professional(PMP) Certification.

Self-taught JavaScript developer with a passion for web-development, leveraging project and coding experience within the ReactJS library ecosystem to deliver high quality front-end applications.

CORE SKILL COMPETENCIES

- **Software Programming Exposure:** JavaScript, HTML, CSS, React, Redux, Sagas, GraphQL, Node, PostgreSQL, Python, R
- **Technology Experience:** RStudio, Jupyter Notebook, Tableau, pgAdmin4, Visual Studio 2017, Advanced Excel, Access, MapInfo, Atom, Sublime, Firebase/Firestore, Adobe XD, Heroku, Git, Hasura, Chrome Developer Tools, Stripe, Bootstrap4, Flexbox, MomentJS, MaterialUI.
- **Essential:** Leadership, Collaboration, Communication, Motivation, Problem Solver, Team Player, Critical Thinking

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PROFESSIONAL EXPERIENCE

Software Engineer   11/2017 – Present
Freelance Development

- JavaScript based Web Developer with experience utilizing common ReactJS library ecosystem: Redux, Sagas, Apollo, GraphQL, Hooks. Built applications utilizing Bootstrap, Firebase(auth, hosting, storage, database), Hasuru, Heroku, git version control, Sass and mobile responsive design.

Engineering Manager / Consultant   06/2010 – Present
SI Wireless, Franklin, TN

- Led a team of 10 RF Engineers and Field technicians, providing mentoring, coaching, technical support, team building and performance evaluations in support of day to day work flow. Excel at remote employee leadership and management capabilities with strong communication skills.
- Led RF design planning(ATOLL), construction, integration and software implementation in the launch of a roaming alliance carrier network for the Sprint SRA partnership. Delivered project over a 2-year period with a $20M> budget ahead of projected schedule, allowing for early marketing launch and 8% increase in sales revenue.
- Saved $300k in vendor services costs performing network engineering design and project managing each element of the network build process personally. Negotiated with vendors to reduce costs 8.5% on equipment with antenna redesign and bulk purchasing across multiple on-going projects.
- Led $2.5M budget LTE capacity project, completing the task a month early given the ability to proactively manage risk and change management.
- Project Manager for the implementation of 100+ network cell site upgrades from 3G to 4G-LTE, finishing 4% under budget through strict resource time management.

- Developed new network capacity MIMO design, negotiating improved vendor pricing on equipment licensing, realizing a 7% savings across the project.
- Established KPI reporting dashboards, data science efforts and mapping analytics to drive customer focus and retention. Leveraged Tableau for data storytelling to executive team.
- Extensive work with network equipment OEMs to develop KPI counters and parameter designs to launch network in optimal condition utilizing 3GPP/2 guidelines.

Associate Engineer to Engineering Manager   05/1998 – 06/2010
Sprint Nextel, Brentwood, TN

- Led team of 15 RF Design & Performance Engineers, providing mentoring, coaching, technical support, team building and performance evaluations in support of the Sprint Nextel Network.
- Responsible for the RF design of the TN Network. Creating the first cell site designs for the TN market prior to network launch in May 1998 and building over 550 sites across the state.
- Responsible for the optimization of the Nashville Network, meeting company performance metrics, drive testing and analyzing collected test data, integrating new cell sites into the system and designing quality and expansion site projects for future network build out.
- Work with customers to identify solutions to network performance issues and develop action plans to help in reducing system drop call rates.
- Project Manager for large scale network deployment to Bristol Motor Speedway to support the bi-annual race with over 160,000 in attendance. Awarded for achieving stringent network KPI set forth by the NASCAR/Sprint partnership.
- Designed and managed installation on over 100 BDA and DAS projects across the TN market, ranging from small one office nodes to large hospitals and auto plants.
- Led all efforts to design, configure and deploy an "In-Building" fiber DAS system for the VUMC campus. Established design guidelines, held weekly project meetings, oversaw all testing and optimization efforts in a successful system launch, providing critical communications throughout the hospital. Managed project budget of over $400K, completing the scope on time and 8% under budget utilizing continued negotiation with vendors.
- Oversaw the efforts to design, configure, install and maintain "In-Building" systems for 6 TVA fossil fuel plants in TN along with the Sequoia Nuclear Plant in Chattanooga. Held weekly meetings on status, delivered all documentation of actions and results, led testing and optimization efforts and upon successful launch, remained a key point of contact to maintain and keep the system operational with future expansions. Managed a project budget of over $540K that included an on-site construction of a cell tower at Sequoia Nuclear.
- Promoted 5 times within 6-year period from Engineer to Manager in 2004.

EDUCATION
Bachelor of Science, Electrical Engineering, Tennessee Technological University

CERTIFICATIONS
PMI Project Management Professional (PMP) Certification, PMI Institute

MOCC COURSES
Udemy(2016-Present): Advanced SQL for Data Scientists, Data Science & Machine Learning Bootcamp with R, Python for Data Science & Machine Learning Bootcamp, SQL Database Design/MS_SQL Server and Postgre SQL, Spark and Python for Big Data with PySpark, Statistics for Business Analytics and Data Science, Tableau 10 for Data Science, The Web Developer Bootcamp, Ultimate MySQL Bootcamp, Python A-Z for Data Science, Modern ReactJS Bootcamp, Complete React Developer 2020.