**Herbert Gandia** [www.herbertgandia.com](http://www.herbertgandia.com)

Paterson, NJ [646.772.0753](TEL:646.772.0753)

[www.linkedin.com/in/hgandia](http://www.linkedin.com/in/hgandia) [hgandia@gmail.com](mailto:hgandia@gmail.com)

[github.com/hgandia](https://github.com/hgandia)

**Software Engineer**

**Provide Technical Solutions to Real World Problems, Meeting Needs of**

**Individuals and Organizations Alike**

Professional engineer with experience in wireless and semiconductor industries. Enthusiastic and motivated working with people of diverse backgrounds to accomplish products and services projects. Use and evolve in technologies and processes to address customer pain points, designing applications and developing processes that enrich teams to meet goals efficiently and ultimately enrich customer’s experience. Whether personal blog site, business site, personal branding to establish online presence, or data analysis for better decision making, there is no problem that can’t be solved.

**Technical Competencies**

|  |  |
| --- | --- |
| **Languages:** | HTML, CSS, JavaScript, Python, Some C & C++ |
| **Frameworks:** | React.JS, React Native, React-Router, Reactstrap, Redux, Bootstrap, Node.JS, Express, React-Spring |
| **Scripting / Support / Release Tools:** | Bash Shell, Google Cloud, REST API, Postman, Firebase, Insomnia, VSC |
| **Databases:** | SQL, NoSQL (MongoDB), Postgres |
| **Version Control:** | Git Hub |
| **Communications Tools:** | Skype, Slack, Zoom, Discord, MS Teams |

**Volunteer Experience**

**Estrella de Jacob,** Bronx, NY

**Technical Lead** 2010 - Present

Lead a team of 11 volunteers to consistently provide digital multimedia content on YouTube and Facebook.

* Design, install, optimize, and maintain sound reinforcement system.
* Design, install, optimize, and maintain video capturing system.
* Design, install, optimize, and upgrade computer system.
* Integrate computer, video capture and sound reinforcement systems to be able stream good quality picture and sound online, while maintaining good sound quality at the live event.
* Instruct the team on the architecture system and how to utilize and troubleshoot it.
* Create, develop, design, and maintain website using React.JS, CSS, Vanilla JavaScript and Node.JS for back-end: [Source Code](https://github.com/hgandia/edj-react.git) | [Demo](http://www.estrelladejacob.org).

**Herbert Gandia** [hgandia@gmail.com](mailto:hgandia@gmail.com) **Page Two**

**Professional Experience**

**T-MOBILE US / METROPCS COMMUNICATIONS**, Parsippany, NJ

**RF Engineer** 2012 - Present

Maintain and optimize wireless cellular network in NYC on multiple layers of wireless technology such as 5G, 4G and 3G.

* Improved key performance indicators (KPI), including drops, blocks, throughput, network congestion and noise by experimenting with antenna tilts, power changes, network parameter changes, and drive testing clustered areas to confirm improvements.
* Worked with design team to harden small cell, oDAS nodes, and macro site layout and design, providing seamless, continuous coverage in hard to cover areas for better customer experience.
* Analyzed alarms and site patterns, clearing alarms properly and, if necessary, dispatching field operations.
* Managed SiriusXM satellite radio interference mitigation project, clearing 250+ interfered areas in NYC and creating MOP for other markets to follow.

**SPRINT NEXTEL**, White Plains, NY

**RF Design Engineer** 2004 - 2008

Designed cellular sites to increase network capacity / quality with network planning tool.

* Analyzed post processed drive data to provide more information to make appropriate design decisions on cell sites, addressing network needs and generating better customer experience.
* Audited and performed cellular site modifications for network optimization.
* Read / altered lease exhibits and construction drawings, delivering best optimized designed cell site.

**Education**

* **Master of Engineering Electrical Engineering (MEEE)**, Stevens Institute of Technology, Hoboken, NJ
* **Bachelor of Engineering Electrical Engineering (BEEE)**, The City College of New York, New York, NY

**Certifications**

* Back End Certification, Nucamp Bootcamp, 2023
* Full Stack & Mobile Development Certification, NuCamp Bootcamp, 2022
* Web Development Fundamentals, Nucamp Bootcamp, 2022
* Audio Engineering Diploma, SAE Institute of Technology, New York, NY, 2009