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| **Summary**  Experienced Software Engineer with a demonstrated history of working in the healthcare and medical device industries. Skilled in engineering and executing full stack applications (backend, web, and mobile). Powerful R&D Lead that always propels technology forward to increase performance and grow business.  **Skills**   * R&D leadership * HL7 Integrations * Kubernetes & Docker * Istio Service Mesh * AWS * GRPC * REST APIs * Golang * PHP * C & C++ * MySQL * MongoDB / DocumentDB * React * JQuery * HTML5 & CSS3 * Unit Testing * CI / CD (Travis, CircleCI)   **Education and Training**  Bachelor of Science  New Jersey Institute of Technology  Computer Science | Diploma expected 2022   * 4.0 GPA   High School Diploma  Oratory Preparatory School   * Ranked in Top 10% of class * Inducted into the Cum Laude Society, an international society dedicated to honoring scholastic achievement in secondary schools | **Experience**  **DocSpera, Inc**  *R&D Lead - Full Stack Software Developer  |  Sunnyvale, CA       01/2017 to Current*   * Developed integration tools for connecting EMRs with DocSpera backend. * Designed and lead the transition to container based infrastructure to improve performance and scalability. * Introduced services meshes and gRPC to the technology stack. * Developed a full stack mobile application to track patient progress through the episode of care. * Pioneered quality assurance processes, including unit testing and documentation of tests. * Implemented full service backend framework in PHP / MySQL / Solr with API exposition in REST/JSON.   **Orthotrax**  *Founder, CEO  |  Morristown, NJ       01/2018 to Current*   * Developed Medical Device Logistics software for small manufacturers and independent ASC customers. * Signed two long term customers within the first year of business. * End to end execution, from idea to product execution.   **Healthstock, Inc**  *Full Stack Software Developer  |  Sunnyvale, CA       01/2017 to 01/2018*   * Demonstrated HIPAA compliance in handling all patient health information * Implemented a secure backend service with security measures to ensure patient and physician health information remains secure and uncompromised. * Developed lighting fast single page frontend application with client side caching to ensure excellent mobile and desktop performance.   **AgShift, Inc**  *Backend Developer  |  San Jose, CA       03/2017 to 07/2017*   * Worked closely with business partners to create and deliver high-value solutions to meet their needs. * Blended machine learning with computer vision to enable a fully transparent and digitized food selection and distribution system. * Developed the frontend and backend architecture to utilize observational data to enhance machine learning algorithms.   **Corentec America, Inc**  *Software Developer  |  Morristown, NJ       09/2015 to 08/2016*   * Architected a medical device “Rep-Less” business model. * Planned, developed, and executed the creation of of a medical device logistics system, implementing both inventory management and accounting principles. * Conducted outreach programs by meeting with surgeons and healthcare staff to gain user input and translate customer feedback into tangible product results.   **Corentec America, Inc**  *IT Systems Administrator  |  Morristown, NJ       03/2015 to 09/2015*   * Provisioned Exchange and Active Directory server systems for internal company communications. * Managed and maintained company infrastructure and provided on-site technical support.   **Websites, Portfolios, Profiles**   * https://lucasantarella.com * https://linkedin.com/in/lucasantarella/ |