

NIRANJAN BARAL

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EDUCATION

Brigham Young University, Provo, UT

Bachelor of Science in Clinical Laboratory Science

Jan 2008-Dec 2012

Active Top Secret/Sensitive Compartmented Information (TS/SCI Clearance)

EXPERIENCES

Lieutenant-Lab Officer-United States Navy

Naval Medical Readiness and Training Command San Diego, CA, 92103

Sep 2017-Current

- Oversee operational, clinical and administrative functions of one of the largest and busiest US Navy laboratory
- Supervise and mentor 79 civilian and military lab techs and manage workload of over 4 millions tests per year, managing instruments worth 3 million dollars
- Evaluate lab processes and outcomes to identify and rectify system, workflow problems
- Resolve issues or concerns from nurses, doctors, lab techs and other members of the command in order to provide the best patient care possible
- Conduct visits to surface fleet labs across LHD, LPD, LHA, DDG, Submarines, Aircraft Carriers and 10 satellite clinics to ensure readiness of shipboard lab and blood bank programs before deployment

Lab Manager

Ochsner Health System/ Adeptus Health-ER, Marrero, LA, 70072

Aug 2016-Sep 2017

- Supervised 15 techs and managed the daily operations of the lab
- Responsible for laboratory technical development, implementation and integration within areas of technical expertise, to include instrument acquisition, logistic support, and laboratory information systems integration
- Maintained QC, Calibration, Preventative Maintenance, Instrument Validation, Parallel testing reports etc for laboratory inspection
- Maintained QA Compliance with CAP, CLIA, TJC and OSHA
- Developed and reviewed SOP's
- Created clerical and administrative tools, such as manuals, learning modules, policies and streamlined the lab workflow
- Provided professional laboratory guidance and direction to lab personnel, and hospital leaders while focusing on patients, physicians, employees and the community
- Collaborated with other departments, medical professionals, consultants, and governmental agencies to develop support and coordinate patient care and related administrative functions
- Participated in The Joint Commission Inspection in August 2017

Medical Technologist

Lakeland Regional Medical Center, Lakeland, FL, 33805

Oct 2013-Jul 2016

- Worked in Hematology, Chemistry and Serology department in a 875 bed hospital with an automated track
- Supervised techs and lab assistants to ensure proper operation of the lab as well as to maintain the turn around time
- Trained newly hired techs in using the lab instruments and the laboratory information system

Medical Technologist

Baptist Medical Center, San Antonio, TX, 78205

Feb 2013-Oct 2013

- Executed and analyzed tests with accuracy and precision in areas including chemistry, serology and hematology to aid physicians in diagnosis and treating disease
- Performed daily maintenance, calibrations and evaluated quality control for chemistry, hematology and serology to ensure quality testing under manufacturer and hospital guidelines
- Ensured test result validity before recording/reporting results, enhancing meticulous attention to detail

Computer Lab Supervisor

Office of Information Technology (BYU)

Aug 2010-Dec 2012

- Oversaw and ensured the daily operation of computers, printers, projectors etc in the university
- Supervised team of 8 lab assistants and provided on the job training to new staff members
- Provided one on one help to students on Excel, Word, PowerPoint, Photoshop etc
- Troubleshoot printers, scanners and lab computers
- Participated in university wide system upgrades
- Set up emergency projector carts for the university classes
- Provided the first line of support for customer calls, e-mails and support tickets in various issues like VPN, network connectivity, LAN, password recovery, printers etc
- Utilized databases, network communication tool sets and documented network problems and resolutions for future reference

Mentored Research

Microbiology and Molecular Biology Department (BYU)

Jan 2010-Jul 2010

- Researched on nucleosome positioning in *C.elegans* genomic DNA with Dr. Steven Johnson
- Sequenced parts of *C.elegans* genomic DNA at BYU DNA Sequencing center with a goal to manipulate the underlying DNA sequence to change gene expression

TECHNICAL SKILLS

- Computer Skills: Trained in Microsoft Excel, Word, Power Point, Outlook, Access, and Photoshop as part of Computer Lab Supervisor training. Took CS 100 – JavaScript, HTML (Computer Science) and CS 142 (Intro to Computer Programming- Java) at BYU
- Molecular Lab Skills: Gel Electrophoresis, DNA extraction, RNA isolation, Ligation, Transformation, Primers Design, PCR, RT-qPCR, DNA sequencing, Geneious software, GenBank(NIH)

ACTIVITIES

- BYU Investment Banking Club
- Volunteered as Classroom Coordinator for BYU-UVU Pow Wow Program

REFERENCES

Available on request