

NICHOLAS PLAGMAN

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SUMMARY OF QUALIFICATIONS

- LIMS design virtuoso.
- Former Employee of the Year and veteran of 7 labs since 2006.
- Expert with computers, LIMS tech, inventory management, operational efficiency, cost effectiveness, and dramatically reducing TAT (to same-day in every previous clinical lab).
- Experienced in managing/directing/overseeing every detail of a lab's daily operation and all lab personnel.

TECHNIQUES, EXPERIENCE (not an exclusive list, just highlights)

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|------------------------------|------------------------------|-------------------------------|
| ▪ ELISA | ▪ Lymphocyte isolation | ▪ Affinity chromatography |
| ▪ PCR, RT-PCR, RT RT-PCR | ▪ Cryopreservation | ▪ Mouse colony management |
| ▪ Gel electrophoresis | ○ cells, tissue | ▪ Cell culture |
| ○ Incl. extractions | ▪ DNA & RNA extraction | ▪ Western blotting |
| ▪ Genomics | ○ kits & homemade | ▪ Handled blood, stool, urine |
| ○ Incl. reporting | ▪ DNA purification | ▪ Biosafety-Level 3 |
| ▪ Multiplex PCR, microarrays | ▪ Cryostat sectioning | |
| ▪ DNA sequencing | ▪ Immunofluorescent staining | |

EQUIPMENT, SYSTEMS (not an exclusive list, just highlights)

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|--------------------------------|---------------------------|-------------------------------|
| ▪ UNiflow (LIMS) by UNIconnect | ▪ Autogenomics' HTS | ▪ Biotek 406 washer/dispenser |
| ▪ STARLIMS | ▪ ABI 3730 | ▪ Biotek Plate Stacker |
| ▪ Simple LIMS | ▪ Thermocyclers (many) | ▪ LSR-II |
| ▪ Beckman-Coulter FX | ▪ Biotek ELx808 reader | ▪ FACS Calibur |
| ○ Automation | ▪ Epoch spectrophotometer | |
| ▪ InfinitiPLUS | ▪ Biotek 405 plate washer | |

RELEVANT WORK EXPERIENCE

PROFESSIONAL SERVICES CONSULTANT, *SUNQUEST INFORMATION SYSTEMS*

JUNE 2018 – PRESENT

- Work with laboratories to implement our LIMS software.
- Gather requirements (on-site & remote), design workflows, and direct development team.
- Perform minor bug fixes (in the code and database).

PROCESS IMPROVEMENT CONSULTANT, *NEWELL-RUBBERMAID*

FEBRUARY 2018 – MAY 2018

- Increasing efficiency, quality, cost-effectiveness of R&D Writing lab.

UX QUALITY ANALYST, *REMOTE HOME CHECK*

APRIL 2017 – FEBRUARY 2018

- Advising on potential app developer team hire.
- Remodeling app's user-interface.
- Developing website.

PRODUCTION & LAB MANAGER, *DUNWOODY LABS*

March 2015 – May 2016

Employee of the Year.

- Managed lab techs and ran daily lab operations.
- Directed LIMS design and integration (including barcode adoption).
- Redesigned all test reports and managed all reporting.
- Established quality control (criteria, tracking data and trends, ordering repeats).
- Launched Genomics department, designed its extremely efficient LIMS workflow, wrote the SOPs, did all validation testing, and performed all patient testing (with Autogenomics' InfinitiPLUS).
- Handled inventory and purchasing; set up new vendor accounts (saved \$10,000s) and negotiated great deals.

- Found alternative materials for most popular test, saving company well over \$100,000/year.

MOLECULAR TECHNICIAN, LEAD, MEDICAL NEUROGENETICS

May 2014 – March 2015

When I left, the side duties I performed daily had to be spread out amongst 6 techs.

- Supervised and instructed techs; trained new techs.
- Managed and reorganized molecular lab's inventory of consumables and reagents.
- Maintained equipment & logs.
- Despite inheriting a backlog, I was soon completing all sequencing samples with same-day TAT.

LAB SPECIALIST, EMORY UNIVERSITY DEPARTMENT OF HUMAN GENETICS

September 2008 – June 2009

Cleared huge backlog and within weeks was finishing the day's work by 11am.

- DNA purification, PCR, gel electrophoresis, DNA extraction from gel.
- DNA sequencing on the ABI3730.

LAB TECHNICIAN, METAMETRIX

July 2008 – September 2008

Based solely on my 2 months at Metamatrix, my boss sought me out to run his lab 7 years later.

- Expected to do 2 sensitivity assays per day; I did 4 before lunch.

LAB TECHNICIAN, EMORY UNIVERSITY DEPARTMENT OF PATHOLOGY

January 2007 – July 2008

The real-time RT-PCR assay I developed is still being used today.

- Developed the method for RNA extraction and subsequent real-time RT-PCR assay to determine viral loads in-house, saving the lab tens of thousands of dollars; they'd never been able to get it to work in the past.
- Organized, indexed, and maintained inventory of thousands of cryotubes in several liquid nitrogen tanks.

LAB CONSULTANT, ST. JOSEPH'S RESEARCH INSTITUTE

October 2006 – December 2006

FDA drug trials.

- Managed consultant schedules and trained new consultants.
- Organized and kept inventory of samples collected from the subjects (rats).

LAB TECHNICIAN, EMORY UNIVERSITY DEPARTMENT OF CELL BIOLOGY

June 2006 – October 2006

- PCR, DNA extraction, genotyping.
- Maintained mouse colonies.
- Prepared reagents, cleaned lab, maintained equipment.

EDUCATION

Birmingham-Southern College

Birmingham, AL

Bachelor of Science, Biology, cum laude (GPA: 3.63)

May 2005

Presidential Honors Scholarship, Teacher's Assistant maximum # of semesters allowed

University of Georgia

Athens, GA

Master of Arts, Telecommunications, cum laude (GPA: 3.60)

May 2011

Teacher's Assistant, Sept. 2010 – May 2011

General Assembly

Atlanta, GA

Web Development Immersive

February 2017

12-week immersive course in full-stack development dedicated to designing and building web applications, as well as project management. I took this course to learn how to utilize code to optimize efficiency (particularly within a LIMS).

OTHER PROFESSIONAL SKILLS

- Professional video editor (Premiere Pro, Photoshop, Acrobat, After Effects) and comedy writer.
- Won an LA Film Festival (for a film I created by myself).
- Very proficient in all things computers.