PROFESSIONAL SUMMARY

Michael is a perseverant java developer with two years of education in multiple programming languages and frameworks. He also has three years of experience fostering collaboration and continuous improvement as manufacturing engineer. As a member of the Cook Systems FastTrack Program, he has successfully built RESTful APIs with the Spring Boot framework and tested and troubleshot them with JUnit and Postman. He is eager to adapt his lean six sigma experience to agile frameworks and align his team's goals with business KPI's.

TECHNICAL SKILLS

Programming:	Java, Python, JavaScript, HTML5, CSS3, SQL, Spring, Spring Boot, JDBC, Jackson, JPA, JQuery, Node, Webpack, Babel, Maven, NPM, React, Redux
Software:	Eclipse, VS Code, Git, GitHub, Cmder, pgAdmin, Certified Tableau Desktop Associate
Databases:	PostgreSQL
Operating Systems:	Windows

PROFESSIONAL EXPERIENCE

COOK SYSTEMS – Memphis, TN   **10/22 – Present**
FastTrack Developer

Twitter Simulation API
- Collaborated remotely with two other developers via GitHub to create a Spring Boot RESTful Web Service with 30 different CRUD endpoints that simulated Twitter functionality
- Developed a database schema/ERD supported by PostgreSQL in pgAdmin per specifications
- Programmed controllers and services to receive client requests and map responses from the database model to the API model via Spring Boot, JPA, and Lombok dependencies
- Utilized Postman to test and troubleshoot until all endpoint requirements were met

Environment: Java, Spring Boot, JPA, PostgreSQL, pgAdmin, Postman, Git Bash, GitHub, Eclipse, Maven

Baker Hughes – Houston, TX   **03/12 – 02/15**
Manufacturing Engineer
- Eliminated $100,000 from annual cost of lost parts and improved on time delivery as the leader of a Lean Six Sigma Greenbelt project that improved inventory accuracy in a legacy warehouse
- Reduced manufacturing scrap by coaching Quality Champion machinists to perform root cause analyses in their work centers
- Minimized work in progress (WIP) by efficiently designing (in SolidWorks) and directing the manufacturing of numerous milling, turning, welding, & testing fixtures
- Mitigated repeat nonconformance escapes by performing root cause analyses and assigning correlated preventative actions following customer complaints.
- Ensured the retention of proprietary thread licenses by developing, documenting, and implementing a new process and procedure that incorporated coating coupons and included a measurement uncertainty analysis.
- Updated mfg. routers in SAP database to match design revisions per Engineering Change Notices

- Excelled as a student of BHI Design Training: shear screws, threads, O-rings, & stress analysis

Jacobs Engineering/Eastman Chemical Company – Kingsport, TN   05/11 – 08/11
Intern
- Identified opportunities to reduce process waste in MI Piping by adopting Meridium APM software for managing reliability and maintainability task scheduling
- Documented and presented the work processes of the Mechanical Integrity Piping group

Aranya / Living Ecology – Telangana, India   01/17 – 08/17
Intern
- Applied participatory methods as the leader of an agroecological design-and-implementation project on a 2.3-acre rural village farm site alongside a poor, Telugu-speaking farmer
- Utilized the Telugu language to schedule meetings, direct laborers, and express myself and attained proficiency in the Telegu script
- Surveyed and directed the excavation of 350 meters of rain water harvesting contour trenches
- Designed, prototyped, and optimized wicking pitcher irrigators for grafted trees
- Taught over 20 students how to generate to-scale maps by compass in two-day course

Hawthorne Valley Farm – Ghent, NY   02/19 – 11/19
Whole Farm Apprentice
- Executed diverse and strenuous tasks in all weather conditions
- Collaborated effectively as a positive, reliable, member of a team of twelve farmers
- Milked 60 cows independently while following detailed equipment sanitation processes, animal-specific healthcare instructions, and administering California Mastitis Tests
- Operated numerous implements on four different tractors: Water wheel transplanter, rototiller, basket-weeder, brush hog mower, manure spreader, single axle trailer, grain mill, hay-bale spear, front loader
- Operated miscellaneous equipment: ATV, skid-steer, BCS walk-behind tractor, flame torch
- Tended livestock: 70-75 grass-fed dairy herd; 3,000 broilers/yr; 1.5 pig litters/yr
- Executed diverse organic vegetable production tasks on 14 acres across full crop cycle

Radical Roots Farm – Keezletown, VA   03/18 – 10/18
Apprentice
- Communicated effectively with team to efficiently collaborate on numerous concurrent orders to meet delivery deadlines
- Executed diverse, strenuous vegetable production tasks on a close team of seven farmers.
- Confidently assisted customers at market register and efficiently built market displays
- Independently installed drip irrigation, plastic mulch, landscape fabric, & portable electric fence
- Prepared soil mix & compost tea; Seeded; Potted-up

AutoZone – Germantown, TN   01/20 – 08/20
Sales Associate
- Achieved customer satisfaction while installing engine batteries, light bulbs, & windshield wipers and while assisting with warranty registration, inventory search, and check-out
- Independently modified large storage/display shelving to reflect newly released planograms

EDUCATION

Cook Systems FastTrack Java Program – Memphis, TN   **10/22 – 12/22**
Concentrated Java Frameworks and developer tools training

University of Tennessee – Knoxville, TN   **08/07 – 12/11**
Bachelor of Science: Mechanical Engineering, Summa Cum Laude