

# Nabeel Thotti

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## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS, R, Linux

**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

**Developer Tools:** Postman, Git, Docker, TravisCI, AWS, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Figma

**AWS Services:** Lambda, EC2, API Gateway, SNS, SMS, DynamoDB, VPC, RDS, Step Functions, CloudWatch, X-Ray

**Libraries:** pandas, NumPy, Matplotlib, TensorFlow, Boto3, AWS SDK

## EXPERIENCE

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### Founder

May 2019 – Present

*EE Industries*

*Los Angeles, CA*

- Founded and successfully led a tech venture, providing end-to-end solutions for over 30 startups.
- Implemented customized cloud infrastructures and backend solutions that directly contributed to an increase of over \$500,000 in clients' profits, reinforcing our firm's role as a pivotal partner in startup technology solutions.
- Developed backend solutions by incorporating advanced data handling techniques, enhancing data integrity.
- Deployed bespoke cloud infrastructures for diverse clients, achieved an average of 35% improvement in reliability.
- Collaborated closely with cross-functional teams to ensure the delivery of high-quality software products.

### Integration Developer Intern

June 2023 – August 2023

*University of California, Los Angeles*

*Los Angeles, CA*

- Designed, coded, and deployed serverless integration microservices utilizing AWS Lambda, SQS, DynamoDB, and API Gateway, ensuring efficient and scalable cloud solutions.
- Developed Python-based AWS Lambda functions to interface with Oracle APIs, facilitating efficient data retrieval from Oracle Cloud environments.
- Engineered AWS Step Functions to orchestrate complex workflows, seamlessly integrating with third-party SaaS platforms including Paymentworks, Jaggaer, and Oracle Cloud.
- Leveraged CloudWatch for effective monitoring and troubleshooting, ensuring optimal performance and reliability.
- Actively participated in Agile development processes, contributing to team discussions and problem solving.

### Data Specialist

Sep. 2021 – Sep. 2022

*Land of The Free L.P.*

*Beverly Hills, CA*

- Optimized data management through strategic SQL implementations and advanced Excel techniques, resulting in a 30% increase in data processing efficiency.
- Engineered and deployed scalable cloud solutions using Google Cloud Platform and Hadoop, enhancing data handling capacity for large data sets.
- Leveraged MS Excel for data visualization, providing insights that led to 20% growth in customer acquisition.

## PROJECTS

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### Transfer App | *AWS, React, Flask, TensorFlow, Docker*

October 2023 – Present

- Utilized React to build an intuitive frontend, enhancing user engagement and experience.
- Introduced predictive analytics using machine learning, improving course selection guidance.
- Integrated real-time data visualization, representing users' academic pathways interactively.
- Designed and implemented a React frontend, interfacing seamlessly with a Flask-driven REST API.

### Personal Website | *React, RESTful APIs*

June 2023 – August 2023

- Developed a dynamic personal website using React, showcasing a responsive UI and an intuitive user experience.
- Integrated RESTful APIs to enhance functionality, enabling seamless data retrieval and interactive features.
- Implemented a robust back-end architecture to ensure efficient data processing and scalability.
- Optimized website performance using front-end techniques, ensuring compatibility across browsers and devices.

### Chess Game | *Python, Maven, Git*

May 2018 – May 2020

- Implemented algorithms crucial for real-time chess move validation resulting in swift in-game decision processing.
- Engineered the app's backend to handle real-time data processing allowing immediate move validation.
- Constructed data handling system for user profiles using hashing and encryption for efficient storage and retrieval.
- Developed data operation benchmarking, refining data structures for optimal memory use and processing speed.