

ANVITHA LAKSHMISHA

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EDUCATION

Northeastern University , Boston, USA.	May 2024
Master of Science in Information Systems.	GPA-3.70
Nitte Mahalinga Adyanthaya Memorial Institute of Technology , India.	May 2019
Bachelor of Engineering in Computer Science.	

SKILLS

Web Technologies:	HTML5, CSS3, Angular, JavaScript, TypeScript, React, NextJS, ExpressJS, Mongoose, Gatsby, NodeJS, MongoDB, React context, Jasmine, Karma, Cypress, Mocha and Jest.
Mobile Technologies:	Swift, XCode, UIKit, CoreData, CoreLocation, MapKit, Storyboards and View Controllers.
Programming Languages:	Python, Java, C++ and Swift.
Other tools:	Visual Studio, GIT, Microsoft office, MySQL, AWS CloudFormation, Moqups, Balsamiq, Figma, Axure, Google Analytics, Google Tag Manager, Xcode, NPM and Babel.

SUMMARY

- Experienced Software Engineer adept in developing and optimizing web applications and e-commerce platforms using a robust skill set that includes HTML5, CSS3, Angular, JavaScript, TypeScript, React, NextJS, ExpressJS, MongoDB, and more.
- Proven track record at WHOOP Inc, implementing a NextJS single-page web checkout with Stripe integration, optimizing React Context for efficient transaction processing across global markets.
- Successfully automated Shopify device purchases using Ruby scripts, saving \$200K annually and showcasing proficiency in scripting and process automation.
- Expert in conducting A/B tests on storefront components, driving revenue growth and enhancing user experience through data-driven insights.
- Hands-on experience with AWS services (EC2, S3, DynamoDB, CloudFormation) and proficient in setting up secure, scalable architectures.
- Designed and developed intuitive mobile applications using Swift, XCode, UIKit, CoreData, CoreLocation, and MapKit, focusing on user-friendly interfaces and seamless experiences.
- Accomplished in backend development with Python, Java, and C++, leveraging frameworks like Spring, Hibernate, and JPA for robust enterprise solutions.
- Proficient in UI/UX design and prototyping tools such as Figma, Axure, Moqups, and Balsamiq, ensuring high-quality visual designs and user interaction models.
- Experienced Agile practitioner, leading cross-functional teams in sprint planning and project delivery, emphasizing collaboration and iterative development.
- Driven by a passion for innovation and continuous improvement, dedicated to delivering impactful solutions that meet business objectives and exceed user expectations.

WORK EXPERIENCE

WHOOP

Boston, MA

Jan 2023 – Sept 2023

Software Engineer Co-op

- Developed a NextJS single-page web checkout, facilitating millions in transactions across six regions and three languages.
- Integrated **Stripe payment** functionality and optimized state management with **React Context** for enhanced performance.
- Automated replacement device purchases via **Ruby script** updates in **Shopify**, saving \$200K/year in customer support tickets.
- Conducted **A/B tests** on storefront product cards and carousels, increasing average revenue per user with the best-performing variant.
- Leveraged Storybook to develop and maintain reusable **React components** for high-traffic areas with a million visits per month like checkout and storefront.
- Engineered **REST APIs** in **Java** for initial checkout calculations based on six regional tax structures.
- Configured **GA4** and **GTM** to track user behavior, automate event tracking and monitor e-commerce metrics.
- Integrated out-of-stock notifications with **Klaviyo** to provide accurate email lists for timely customer restock alerts.

SIEMENS TECHNOLOGY

Bangalore, India

Jul 2019 - Dec 2021

Software Engineer

- Collaborated with a team of nine in an **Agile** setting to streamline asset management processes, contributing to efficient **sprint planning** and delivery.
- Achieved 90% unit test coverage for web components using **Jasmine and Jest**, ensuring robustness and reliability.
- Reduced technical debt by 60% in an **Angular project** by resolving issues flagged by SonarQube, enhancing maintainability and scalability.

- Reduced effective page load time by 60% through the implementation of paging and state management using **Angular and NgRx**, integrated with **Java-based REST APIs**.
- Increased search efficiency of assets across different plants by over 1 second through optimization of **TypeScript** code.
- Led the development of a time-series chart dashboard using **Apache ECharts** for real-time monitoring of industrial assets.
- Designed and deployed intuitive **Angular interfaces** for data auditing and ingestion, utilizing **Redux** for state management, thereby aiding in tracking and retrieving error reports.

PROJECTS

Travel Diary application

May 2024

- Developed a comprehensive Travel Diary App using **Swift and Storyboards**, enabling users to document, preserve, and relive travel experiences with a robust and user-friendly interface.
- Integrated interactive maps with **MapKit and Core Location** to provide visual representations of travel routes and access users' current locations.
- Implemented **travel statistics and user profile management**, offering insights into travel patterns.

Job Application tracker database

Dec 2023

- Implemented a MySQL job application tracker database, incorporating **ERD diagrams and PowerBI visualization** for enhanced data analysis.
- Applied advanced security measures, including **table-level constraints and column-level encryption**.
- Enhanced database functionality with **custom triggers and stored procedures** to meet evolving business requirements.

Cloud-Based Result Management Systems

Sept 2022

- Handled user authentication and authorization using **bcrypt and basicAuth**.
- Utilized AWS services, including **S3** for file storage, **DynamoDB** for data management, and **SNS** for notifications.
- Migrated the NodeJS app to AWS EC2, using **AMI** and established **CloudFormation-based CI/CD pipelines** for automated **Infrastructure as Code (IaC) deployment**.

Sprint Planner

Jan 2022

- Developed a React-based Sprint Planner, implementing **Node.js/Express.js** APIs for CRUD operations and **Redux** for seamless session persistence.
- Managed **MongoDB** database for data storage, and integrated **Material UI** for enhanced user interface and experience