Mitisha Ganesha Dodderi

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WORK EXPERIENCE

98point6 Technologies Inc. - *Software Development Engineer I/II - Seattle, WA, USA*   January 2020 - September 2023
- Led cross functional collaboration of teams to design and develop a user profile management tool for healthcare professionals and devised comprehensive testing plans.
- Created a FHIR compliant user database schema and used GraphQL for querying the database.
- Set up a web app for behavioral health patient cases, with CI/CD and deployed it using AWS CDK.
- Achieved web accessibility of patient web app through adherence to WCAG 2.1 guidelines and creating a responsive design for desktop, tablet, and mobile devices.
- Built UI for integrating prescription history of patients from backend using REST APIs.
- Enhanced the physician-facing web application, introducing algorithm-based predictions for diagnoses, medications, and lab orders, leading to visit time reduction by 50% (~3 minutes).
- Implemented automated referral system to ensure timely delivery of contractual customer commitments.
- Improved user experience with features like automated notes and delivery of diagnoses, medications, and treatment plans, as well as follow-up visit capabilities.
- Analyzed and re-assessed the web KPIs, worked on operational duties, and authored technical documents.
- Performed platform maintenance by adding ESLint rules, safely updating packages and modules..
- Conducted code and design reviews, technical and behavioral interviews, and participated in mentoring.

Northeastern University. - *Undergraduate Teaching Assistant - Boston, MA, USA*   September 2019 - December 2019
- Conducted academic tutoring and grading for Computer Science and its Application (CS1100).

98point6 Inc. - *Software Development Engineer Intern - Seattle, WA, USA*   May 2019 - August 2019
- Created a scalable Chrome plugin to extract physician data from Modio (physician information is stored here) and automatically fill out state licensing applications for the physician, using JavaScript, Webpack, Babel and published it on the Chrome extension store.
- Updated the designs for the video calling feature to be more intuitive and follow the industry standards using React with CSS.
- Improved user data privacy and security by implementing a caching system to replace hard-disk storage.

Addgene Inc. - *Software Engineer Co-op - Watertown, MA, USA*   May 2018 - December 2018
- Revamped deposit status page of plasmids and created tokenized URL to restrict access to the page.
- Built new features for the website and created DjangoCMS Plugins for easier UI and content management.
- Refactored legacy code by migrating a Django model into a different app without table and data loss.
- Ported Python2 code to Python3 to accomplish company goal to upgrade Django 1.11 to Django 2.1 with help of python-futurize library in Agile development cycles.

EDUCATION

Northeastern University, Boston, MA   September 2017 - December 2019

Master of Science in Computer Science, GPA: 3.5

Coursework: Program Design Paradigm | Information Retrieval | Algorithms | Web Development | Machine Learning | Managing Software Development | Data Mining Techniques | Database Management System

TECHNICAL KNOWLEDGE

Languages: TypeScript, Python, JavaScript, SQL, Java, Elixir

Technologies: React, Redux, Django, Phoenix, Spring Boot, GraphQL, Servlets, Celery, Selenium, Git, Vagrant, Docker, HTML, CSS, RabbitMQ, Jenkins, BeautifulSoup, Maven, Cypress, Storybook, JUnit, Jest, Mockito, Pandas, SumoLogic, Jira, ESLint, Webpack, Babel, Node.js, Terraform

AI: OpenAI, Claude, Github Copilot, Gemini, Groq

AWS: S3, EC2, RDS, CDK, CloudFormation, CloudWatch

Databases: MySQL, PostgreSQL, MongoDB

IDEs/Tools: PyCharm IDE, Visual Studio Code, IntelliJ, DataGrip, Figma, JIRA, Notion

ACADEMIC PROJECTS

Chatter - Slack 2.0   February 2019 - April 2019

Technologies used - Java, Maven, JDBC, MySQL, JUnit, Mockito, Jenkins, AWS
- Designed a Slack-like chat application with API endpoints by incorporating thread safety and encryption.
- Developed private and group messaging, message threads, forward messages using Factory, Builder, Strategy, Observer, and Singleton design patterns, in Agile Scrum environment.