

Mandeep Kaur

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WORK EXPERIENCE

Associate Software Developer Engineer	NextEra Analytics	September 2018 - Present
<ul style="list-style-type: none">Responsible for turning ideas and mockups into new features using HTML, CSS, JavaScript and AngularJS.Collaborating with the team on high-level software design and architecture of web product.Working with a team to create a responsive web application in agile settings.Worked with cross-product teams towards troubleshooting production issues as Site Reliability Engineer.Worked with the SRE team on researching into new technologies and making a recommendation for the best to use.Contributed to the development and maintenance of various production systems in improving the existing featuresBuilt Vue.JS based web application providing a dashboard to monitor health and availability of WindLogics products.Built meaningful dashboard and data visualization using grafana visualization platform.		
Software Engineer Intern	Pyze Inc.	February 2018 – September 2018
<ul style="list-style-type: none">Worked on the Pyze backend platform and web agent.Enhanced the Pyze website. Implemented new website design for Pyze Documentation.Collaborated with team in turning ideas and mockups into new features using HTML, CSS, JavaScript and jQuery.Implemented various webpage optimization techniques like Minifying JS files.Wrote test cases to perform front-end and API testing for the core product using Mocha, puppeteer and Dredd.Integrated feature of offline web applications, progressive web applications using Indexed DB.		
Software Engineer Intern	GoLoad Inc.	June - November 2017
<ul style="list-style-type: none">Handled the back-end development of the payment module of the application using Stripe API.Worked on writing cloud functions to handle real-time data by triggering the events provided by firebase.Implemented user creation using Firebase authentication & sent the reset password email to complete the signup process.		
Software Engineer Intern	Toyota ITC, USA, Inc.	February – May 2017
<ul style="list-style-type: none">Developed benchmark model of a system with autonomous functionality using neural networks in Python.Built a convolutional neural network for classifying the dataset of 60,000 images into 62 different classes.Used tensorflow library for image recognition and training with 92% accuracy.		

TECHNICAL/KEY SKILLS

Programming	Java
Web Technologies	JavaScript, HTTP, HTML/CSS, JSON, REST, jQuery, Service Worker, DOM Manipulation
Database	MySQL, MongoDB, Firebase, IndexedDB
Cloud Technologies	IBM Bluemix, Google App Engine, AWS (EC2, ELB, S3, SQS), Heroku, Cloud Functions
Frameworks	Node.js, Spring Boot, TensorFlow, NumPy, Pandas, Vue.js, Flask, C3.js
Testing Framework	Mocha, Chai, Dredd, junit, puppeteer, jest
Software Tool/SDLC	Git (GitHub, GitLab), Jira, Postman, Maven, OpenCV, Waterfall, Kanban, Agile, Swagger, grafana

RELEVANT PROJECTS

Events in the City	SJSU	Fall 2017
<ul style="list-style-type: none">Built a web-based portal to display technical and recreational events taking place in SF Bay Area.Used various APIs like Meetup.com, Eventbrite.com to extract and display all the events on one platform.		
Online Library Management System	SJSU	Fall 2016
<ul style="list-style-type: none">Implemented various features like cataloging, search, circulation, and wait list of the books using Spring MVC.		
UML Parser	SJSU (Personal Project)	Spring 2016
<ul style="list-style-type: none">Developed Java application to accept an input of multiple java source files and generate class diagram as .png image.		

EDUCATION

Master of Science in Software Engineering	San Jose State University, USA	2016 – 2017
Bachelor of Technology in Computer Science	Guru Gobind Singh Indraprastha University, India	2011 – 2015

PUBLICATION: [Operational Transformation in CO-OPERATIVE Editing, IJSTR](#)

Spring 2016