Deepak Kumar

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EDUCATION

Northeastern University, Boston, MA.   Sep 2019 - May 2021
Khoury College of Computer Sciences
Candidate for a Master of Science in Computer Science, **GPA 4.0/4.0**
Related courses: Programming Design Paradigm, Database Management Systems, Algorithms, Web Development

Visvesvaraya Technological University, Malnad College of Engineering, Hassan, India   Aug 2012 - Jun 2016
Bachelor of Engineering in Information Science, **GPA: 8.52/10**
Related courses: Object-Oriented Programming, Data Structures, Algorithms, Web Development, User Interface

TECHNICAL KNOWLEDGE

Programming Languages: Java, JavaScript ES6, TypeScript
Framework: Node.js, Spring Boot, Express.js, React.js, React native
Database: MySQL, Dynamo DB, Mongo DB
Web technologies: HTML, CSS, JQuery, Bootstrap
Services: AWS (Lambda, EC2, S3, RDS, SQS, SNS, CFT, API Gateway, Elastic Beanstalk, Kinesis, Cognito), Docker
Certification: AWS Certified Developer Associate, AWS Certified Solutions Architect Associate, OCI Certified Associate
Other: Git, SVN, Jira, Jenkins, Maven, IntelliJ IDEA, VS Code, Linux, Windows, Mac OS, Agile, Scrum

WORK EXPERIENCE

Slalom Build, Boston, USA
Software Engineer Intern   Jun 2020 - Aug 2020
Stagen Leadership App | *React Native, AWS, App Center, Node.js, TypeScript, Bit Bucket, JIRA, Docker*
- Lead Cloud, DevOps, and Security effort in the team of 12. Provisioned AWS infrastructure using infrastructure as code, built Bit Bucket pipelines, and integrated front-end with App Center.
- Contributed for Full Stack development by building front end using React Native and backend using Lambda and Dynamo DB. The app will increase the ease of learning and increase customer involvement.

Brillio, Bangalore, India
Software Engineer   Aug 2016 - Aug 2019
Server To Serverless | *Node.js, AWS, Python, HTML, JQuery, CSS, SVN, JIRA.*
- Implemented application by migrating Python server-based code to serverless code using Nodejs and AWS, which increased the response time of application by 20%.
- Created and deployed RESTful API's using API Gateway. Used CFT to create and manage AWS resources.
- Oversaw all aspects of backend development, redesigned multiple web pages, and guided new hires.
Notification Mechanism | *Node.js, AWS, Git, JIRA.*
- Built a mechanism to send notifications on change of an attribute of a property listing, which helped stakeholders to make more informed decisions on a property, resulting in a 15% increase in returning customer base.
- Achieved 100% unit test coverage by following test-driven development using Chai Mocha. Followed the agile software development process and contributed to sprint planning and retrospective.

ACADEMIC AND PERSONAL PROJECTS

Image Processing Application | *Java, Git.*
- Built an Image processing application to apply six filters on an image such as greyscale, sepia, mosaic, dithering, blur, and sharpen using MVC architecture and design patterns.
Book e-Commerce Website | *Node.js, MongoDB, Express.js, React.js, Redux, Heroku, Git.*
- Collaborated on building a Full-Stack web app that manages different user profiles, scopes, and log in. The application provides a platform for buyers and sellers to buy and sell books. **https://frontend-bookbar.herokuapp.com/.**

RESPONSIBILITIES

- Member and head of organizing committee in 'So U Learn' (SoUL), Soul is a voluntary organization by students to educate underprivileged kids in the city of Hassan. Organized and headed cloth and food drive as part of the Soul initiative.