

# OMKAR KIRPAN

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## WORK EXPERIENCE

### SYSTEM ANALYST

ANZ, Bangalore

12/2020 — Present

- Coordinate with Architects and other Solution Designers to understand the integration requirements and provide the high-level Integration Solution Design.
- Design, document, and execute multiple simultaneous high-quality integration projects, by collaborating with all internal and external teams
- Make critical path decisions to ensure the overall success of the project, including being on time, on budget, and to an exceptional level of quality. Proactively flag issues and risks that may occur during the project life cycle.
- Providing developer guidance and training on middleware products
- Govern and suggest best practices around integration patterns, standards, reviews, quality, and documentation
- Worked on ANZ Classic and ANZx (ANZ Plus) microservices
- Worked on building npm packages for GRPC modules, Google PUBSUB event module, OpenTelemetry module, and CommonLib modules
- Subject Matter Expert on API Management, open-telemetry, GRPC, microservices, MQ
- Designing and Implementing DevOps Automation for the Integration area
- One of the contributors to the first stable release of the OpenTelemetry SDK

### SOFTWARE DEVELOPER

IBM, Bangalore

12/2020 — Present

### SOFTWARE DEVELOPER

Mobile Programming LLC, Bangalore

10/2020 — Present

### SOFTWARE DEVELOPER-FULL STACK

Greenway Grameen Infra Pvt. Ltd., Bangalore

02/2020 — 08/2020

- Created web app and mobile app for greenway appliances
- Developed a full-featured mobile app for offline purposes (app used in rural areas)
- Used Flutter and Google Firebase to create a mobile app on both ios and android mobiles.
- Also created a POC of the app using Google Sheets as a database.
- Using Node.js, MongoDB created a backend for the web app.
- Also used the casbin library to develop authorization on the web app.
- The web app was deployed on Amazon AWS.
- Project management is done on Trello and used Github for version control.

### SOLUTION ARCHITECT AND SOFTWARE DEVELOPER

Noviga Automation Pvt Ltd., Pune

11/2018 — 02/2020

Worked on full-stack web development, Industrial Monitoring Software, Automation with Python on raspberry-pi, and handling servers using AWS and Microsoft Azure.

### SOFTWARE DEVELOPER

UNI (Uniegis Network Private Limited), Delhi

06/2018 — 10/2018

### ACHIEVEMENTS/TASKS

- Worked on handling servers using AWS
- SEO of <https://uni.xyz> platform
- Created Server-less Image Optimization Service on AWS
- Resolving Bugs on the platform using Angular and CSS
- Worked on the platform for hosting and launching competitions

## PERSONAL PROJECTS

### REALTIME CHAT APPLICATION (11/2019)

- Created with React, Express, Node, and Socket.IO
  - Back-end server code deployed on Heroku
  - Frontend client code deployed on Netlify
- <https://okchat.netlify.com/>

### OKTODO: TODOS APP ON ANGULARJS AND FLASK (12/2018)

- Created an open source todos app on angular with flask python backend.
  - Project Management done on Trello, Git, Bitbucket.
  - CI/CD (Continuous Integration and Continuous Delivery) done with codeship.
- <https://oktodo.herokuapp.com/>  
<https://bitbucket.org/omkarkirpan/todo-app/src/master/>

### OKWEATHER: SHOW THE LOCAL WEATHER (08/2019)

- You can see the weather in your current location.
  - You can see a different weather icon depending on the weather.
  - You can push a button to toggle between Fahrenheit and Celsius.
  - Created with jQuery, CSS, HTML5 on Codepen.io.
- <https://codepen.io/OmkarKirpan/full/OJPMLvR>

### TIMESTAMP MICROSERVICE (11/2019)

- Small API which will respond with a JSON object containing both a UNIX timestamp plus a normal English date.
  - If you pass it either - you send it one, it calculates the other and returns both back to you.
- <https://ok-timestamp.glitch.me/>

### OKJOBS: ENTRY LEVEL SOFTWARE JOBS (STARTUP MVP) (04/2019 — 06/2019)

- Planned, code, and deployed a Startup (full stack JavaScript app) minimum viable product (MVP).
- A job board where you can look at various software jobs and apply for them.

CHECKOUT MORE  
PROJECTS ON



## ACADEMIC PROJECTS

### OBJECT DETECTION ON RASPBERRY PI (07/2016 — 04/2017)

- Face Detection using HAAR Cascade
- Successfully implemented a robot using Raspberry Pi, Arduino and Camera with object detection and tracking system.

### SPEECH RECOGNIZER & SYNTHESIS (09/2015 — 02/2016)

- Created a voice assistant AI
- Created Speech Recognition & Synthesis in C++ programming language with CMUSphinx API (NLP).

## OTHER PROJECTS

### FREELANCE PROJECT ON REST API & GOOGLE CLOUD (05/2018)

- Freelance Project on Freelancer.com
- Successfully created a system for getting property estimated value from API on Google Cloud
- Project completed in time
- Client Feedback: "Fast amazing and very smart, He helped me with everything I wanted."

### PATIENT MONITORING SYSTEM (HACKEREARTH BOSCH HACKATHON) (05/2016 — 06/2016)

- IoT-based Health Monitoring System Based on ESP8266 & Arduino.
- Published on youtube.com (<https://youtu.be/CpT7J2vSo8E>).

### HOME AUTOMATION SYSTEM USING ESP8266 (08/2015)

- Successfully Designed & Developed, Home Automation System using ESP8266, Arduino.

### 8X8X8 3D LED CUBE (02/2014 — 03/2014)

- Designed, Developed & Fabricated 8x8x8 LED Cube
- Using Arduino Mega 2560 r3 Board

### DESKTOP TODO APP USING ELECTRON FRAMEWORK (03/2018 — 04/2018)

- Freelance Project From Freelancer.com
- Completed the project on a cross-platform desktop web app using React JS, MobX, Meteor JS, Mongo DB, JavaScript, Bootstrap and Google Firebase.
- Used GIT-SVN, JIRA, Bitbucket and Trello to organize the project.

### FULL-STACK ECOMMERCE ONLINE STORE APPLICATION (02/2019 — 06/2019)

- Freelance Project
- Front-end: Reactjs, Redux, Axios, Sass, react-bootstrap
- Back-end: Node.js, Express, Restful API, paypal-sdk, Razorpay, MongoDB, mongoose, JWT (JSON web token), Heroku, firebase
- Project management on Trello, GIT.

### OKRAT: REMOTE ADMINISTRATION TOOL FOR WINDOWS, LINUX, MAC OS (08/2019 — 11/2019)

- Cross-Platform Python Remote Administration Tool
- Features: Reverse Shell, Screenshots, Download/Upload files, etc

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## EDUCATION

### B.E. IN COMPUTER SCIENCE & ENGINEERING (2013-2017)

Rajiv Gandhi College of Engineering and Research, Nagpur

### XII (SENIOR SECONDARY), SCIENCE (2013)

Maharashtra State Board Of Secondary And Higher Secondary Education, Pune

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## LANGUAGES

MARATHI

ENGLISH

HINDI

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## TECHNOLOGIES

### DAY-TO-DAY COMFORT

SASS / LESS  
HTML5 / CSS3  
JAVASCRIPT / JQUERY  
PYTHON / C++  
PHOTOSHOP /  
SKETCH

VERSION CONTROL ( GIT )  
FOUNDATION / BOOTSTRAP / MATERIAL DESIGN  
RESPONSIVE LAYOUT AND DESIGN  
BEM METHODOLOGY (NAMING CONVENTION)  
CROSS-BROWSER COMPATIBILITY

### HAVE EXPERIENCE WITH

GRUNT  
REQUIREJS  
AJAX  
NODE.JS  
REACT.JS

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## SOFT SKILLS

EMPATHY

COMMUNICATION

TEAMWORK

OPEN-MINDEDNESS

PROBLEM SOLVING

ACCOUNTABILITY

CREATIVITY

## ACHIEVEMENTS

*Participated in ACM ICPC Asia Amritapuri Multisite Regionals 2016*

*Won Robotics Competition held by NRC India at IIT Bombay in 2013-14*

*Won the First Prize in Coding Competition held by St. Vincent Pallotti College of Engg, Nagpur in 2016*

*Won the First Prize in Coding Competition held by RGCER, Nagpur in 2017*

*Successfully conducted a workshop for M.Tech. Students on Python Programming & Networking at Rajiv Gandhi College Of Engineering & Research*

*Successfully conducted a workshop for B.E. Students on Web Development at Wainganga College of Engineering and Management, Nagpur*

*Participated in Ethical Hacking Workshop conducted by Ankit Fadia in 2013*

*Participated in Parallel Programming Techniques in Rajiv Gandhi College of Engg & Tech, Nagpur in 2015*

*Participated in various online Competitive Programming Events.*

*Qualified for ACM ICPC 2017 National Round*

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## CERTIFICATES

*Certificate of Winning: Robotics Competition at Techfest, IIT Bombay. (03/2013)*

*Certificate of Winning: KodoTek 7.0 (Coding Competition) by Computer Society of India (03/2017)*

*Certificate of Winning: Code Mainia by St Vincent Pallotti College of Engineering & Technology (01/2016)*

*Certified Ethical Hacker (CEH) - Training and Certification Course by Unisoft Technologies Nagpur (12/2016)*

*Certificate of Completion: PHP, MySQL, CSS, HTML, JS, JQuery, Bootstrap, Adobe DreamWeaver, and Photoshop Course From Government Polytechnic, Nagpur. (03/2015)*

*Certificate of Honour: Robotics Competition by ARK Technosolutions (03/2014)*

*React Front To Back by Brad Traversy by Udemy (09/2018)*

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## PUBLICATION

### OBJECT DETECTION ON RASPBERRY PI

*International Journal of Engineering Science and Computing (03/2017)*

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## DECLARATION

*I hereby declare and confirm that the above mentioned information is true to the best of my knowledge.*

PLACE — Bangalore  
DATE —

**OMKAR KIRPAN**