

# Ankit Mishra

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## Skills

**Languages:** Golang/Go, C++, Python, JavaScript, SQL, PostgreSQL

**Technologies & Tools:** AWS, EC2, S3, Redis, Kubernetes, Docker, ReactJS

## Work Experience

### Nupay, Backend Engineer

Jan 2022 - Present

- Finpal - Created and developed four Go microservices using Gin for lending in collaboration with top Indian banks (Axis, ICICI, HDFC). Solely responsible for backend development in Golang, ensuring code efficiency, scalability, and low latency. App is live on Google Play Store.
- Written more than 150 unit test cases using Ginkgo library for all the API's provided by Bank & NBFC for integration.

### Sezzle

- Led the implementation of features for the merchant dashboard using ReactJs and Golang. Coordinated with the support team to address merchant queries and integrated the Redash API for report downloads.

### Alten, Sr Software Engineer

May 2019 - Dec 2021

#### Faurecia

- Developed a database app from scratch to track employees undergoing 6 Sigma & Black Belt training. Created APIs using RestAPI, .NET Core, Golang, Postgres, and Angular.

#### Alstom

- Created wrapper classes for .NET and OPCUA library, implemented 120 automation test cases for ALSTOM India and France. Additionally, converted C++ code to C & Golang for the concurrency management server module, enabling real-time tracking of METRO trains.

#### Airbus

- Added three user screens to CLARA tool to identify & confirm the logical correctness of the logical gates of A350 aircraft.
- Enhancements done in Generic Test Automation (GTA) Tool for testing the hardware components of the aircraft cockpit & analyzing the results over flight warning system for A350 Airbus & H125 Helicopter through the excel fields.

### Powerschool, Software Engineer

Apr 2017 - May 2019

- ESchoolPLUS SIS solutions are for educators, School/District administrators, Parents, and Students.
- Develop/Maintain state regulatory solutions for the requirements/changes published by the State Department of Education (DOE) of the two major states Texas & Georgia.

#### FIS

- MACESS is a BPM tool that helps insurance firms to evaluate their insurance claiming process & identifies opportunities to integrate to the unified architecture.
- Critical enhancement was done by upgrading the identity column from INT to BIGINT to store a large number of records in MSSQL & changing all C++ backend services to support the data type.

### Cerner, Software Engineer

Mar 2015 - Dec 2016

- PowerNote is a part of Cerner millennium which caters to the need of documentation by physicians & nurses in hospitals.
- As an individual contributor migrated 19 components from 32 bit to 64bit.
- ICU Application maintenance and bug fixing in C++.

### ILeap, Jr Software Engineer

Sep 2013 - Feb 2015

- Developed IntelliPROBPMS, a customized process management solution, from scratch. Utilized JMVC framework for web development and implemented backend services in C. Conducted self UI testing & integration testing with products.

#### Timken, Intern

- Web Application development for tracking organization assets connected in the network based on the user id.
- Pinging the user available in the network and mapping with existing databases.

## Education

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REVA University GPA: 8.3 / 10 (Gold Medalist), Master Of Computer Application, Aug 2010 - July 2013

## Project Work

- **Book Microservice** : Go based project utilizes gRPC & GraphQL to manage book data, integrating seamlessly with MongoDB. Docker streamlines deployment, while comprehensive logging ensures efficient tracking for an optimized book information service.
- **URL Shortener Service** : Go based URL shortener using a REST API for shortening and redirection. It supports in-memory storage or Redis caching, with a tech stack of Go, HTTP, and optional Redis. It's packaged in a Docker image for easy deployment.
- **PayTabs** : Go application using the Gin / Mux library to build a RESTful API, transferring money b/w two accounts and using inbuilt memory storage of Go.

## Awards and Certificates

- 3rd Prize winner in Cerner Hackathon DevCon 2016.
- Knot Award for contribution of the Klockwork App to the millennium solutions.
- Q4 Award for contribution of automation test cases to OPCUA.
- Completed Golang certification from Udemy.