
EMPLOYMENT

Software Engineer II **Staples** **July 2019**

Staples and Staples Business Advantage (SBA) – E-Commerce COE team

- Lead SPA migration with Next JS framework for all (15) front-end apps to achieve overall site improvement by 55%.
- Initiated and implemented standard caching service (to reduce 400ms of site load by reduced 40% API requests), common functionality solutions like graceful shutdown, timeouts and error handlings, standard logging framework, session, and API management to improve SRE monitoring and deployments of the whole front-end layer.
- Provided config functionality for request-response interceptors, logger, and release features toggle management.
- Created POC and action plan for containerization migration and assisted auto-scaling implementation in Azure VMSS.

Software Engineer Intern **Jan – May 2019**

- Created a common NodeJS client library template with typescript, unit tests, docs, linting, and code coverage.
- Drafted technical documents for client library integration and context management with session service to reduce redundant Auth & Core services traffic by collaborating with architects. And provided documented optimization steps for redundant libraries to reduce 30% build time and 18% run time memory usage of all exited front-end apps.

Head Graduate Assistant **Western Illinois University** **Jan – Dec 2018**

- Created offline sync supported iPad apps using Ionic to collect student's information by the academic advisors.
- Developed iPhone and Android mobile apps for university, text (SMS), and mailing services to university applications with SMS Eagle modem from the Center for Innovation in Teaching and Research department.

Software Engineer II **AtoS Corporation** **July 2015 – June 2017**

Canopy Enterprise Platform (CEP) (Jan 2016 – June 2017)

- Implemented canopy service broker Java client for the products templates generation to deploy in Canopy Cloud Foundry and Canopy Compose through the on-demand PaaS portal of CEP.
- Developed Atos Compose Rancher Client for the Canopy cloud products deployment through the Rancher portal.
- Created Atos Canopy user dashboard portal with Angular & PHP for CEP using 12-factor cloud best practices.

EDUCATION

Macomb, IL **Western Illinois University** **Fall 2017 – Spring 2019**

- Master's in computer science, May 2019. GPA: 3.71
- Graduate Coursework: Operating Systems, Computer Network, Database Systems, Artificial Intelligence Methods, Computer Architecture, Computer Graphics, Intensive Programming, and Advanced Operating Systems.

TECHNICAL EXPERIENCE

Academic Projects

- Created a secure AWS Elastic Compute Cloud (EC2) Manager mobile app, Fully and Set associative cache simulation with circular linked list, custom shell using OS POSIX services, Housing price estimation using Java ML.
- Compassionate ground job application dashboard and auto letter generation for Indian South-Central Railways.

Freelance works

- Chat-Assist Bot + Portal (2021). With AWS stack, Angular, and NodeJS for incident creation and management project.
- Provided Android app frameworks (2020). Baseline app for order delivery, invoices, and billing status management.
- Wealth Node hybrid mobile app (2019.) Live stocks & options management with Tradier brokerage account APIs.
- Created Cognitive Cloud App for restaurant ordering services using AWS stack for Google Home and Alexa devices.

CERTIFICATES

- C, C++ tutorial blog (candcppprogrammes.blogspot.in) and technology updates blog (technoworld007.blogspot.com).
- Completed MITx 6.00.1 Computer Science and Programming using Python in EDX (May 2018)
- Achieved Certificate of Excellence from S.V.P of Atos Cloud for immense contributions to multiple teams (2017).
- Oracle certifications Java SE programmer (1Z0-803) & Oracle database SQL Fundamentals (1Z0-051) (Sept. 2015)
- Microsoft .NET Fundamentals (98-372) (Sept. 2013) and 1-hour code challenge certificate from code.org.

LANGUAGES AND TECHNOLOGIES

- JavaScript; Python; C; Java; C++; PHP; SQL; NoSQL; HTML; Kotlin; shell script.
- NodeJS, AngularJS, React, ReactiveX, Netflix OSS, REST API, Android, iOS, ionic, Docker, AWS, Azure, Kubernetes, VMware ESXI, Spring Cloud, Rasa NLU, Oracle SQL, MySQL, Couchbase, Cordova, Anaconda, Git and Splunk.