

# KALYAN R. PARAJULI

Software Engineer • Cloud Solutions Architect

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## EXPERIENCE

Software Engineering Consultant @ Cigna

**Galax.E Solutions**

📅 Oct 2019 – Present

📍 Hartford, CT

- Add and update features and metrics in data analytic and usage tools to meet business needs
- Create, maintain and enhance deployment solutions and pipelines of various projects and tools in the enterprise cloud
- Seek areas of automation in code and coding processes and implement and deploy them in standalone or legacy projects

Software Developer

**TicketNetwork Inc.**

📅 Sept 2018 – Oct 2019

📍 South Windsor, CT

- Developed functionalities and features in enterprise applications using C# .NET and Python Django Framework with SQL
- Worked on implementing better architecture and algorithm solutions for fast, efficient and economic use of infrastructures
- Provisioned and managed systems and clusters in AWS for highly available web services, databases, storage and backups

Software Engineering Intern

**Acuity Brands Inc.**

📅 May 2017 - August 2017

📍 New Haven, CT

- Worked on ASP.NET web app developing new features involving UI/UX, network gateways, file-systems, threads and locks
- Implemented the use of SHA1 hash instead of MD5 for NIST security compliance of apps, working with off-site testers

Hybrid App Developer

**SnapBag Inc.**

📅 May 2015 - July 2015

📍 Bangkok, Thailand

- Worked remotely on building hybrid mobile marketplace app using HTML5, CSS3 and JS w/ KendoUI on Telerik platform

Web Developer

**Bwingle Web Solutions**

📅 Feb 2012 - May 2014

📍 Kathmandu, Nepal

- Used Python Django framework with MySQL to build websites
- Deployed various tailored WordPress and Drupal websites for small businesses and provided long-term support

## CERTIFICATIONS

**AWS Certified Solutions Architect - Associate**

Amazon Web Services

**Full Stack Web Developer w/ JS and MongoDB**

Apprentice 100, IndieSoft Inc.

Open to Relocation

Current Address: Manchester, CT, 06042

## EDUCATION

Bachelor In Computer Science and Mathematics

**Trinity College**

📅 Sep 2014-May 2018 📍 Hartford, CT

**Courses:** Computer Networks, Android Dev, Algorithms, Computer Security, Computer Systems, Parallel Computing

## PROJECTS

**CollegeThrift (Android)**

- Developed a marketplace app for colleges for the sale of used dorm goods and books.
- Utilized Firebase Services, ElasticSearch, Google Cloud Engine and Venmo Payment API

**Elliptic Curve Digital Signature Algorithm**

- Implemented ECDSA in Java using NIST Recommended Curve P-192 according to the standards in P182-6 published by NIST

**Crosswords**

- Built a crosswords web app for easier learning which let users create crosswords dynamically from their uploaded sets of words and hints

## RESEARCH WORKS

**Secure Biometric Authentication**

- Implemented Secure Biometric Authentication using Iris Images on mobile devices and laptops
- Worked on implementation to keep user data secure at the event the device compromise or the server compromise using C++ and OpenGL

**Color Image Demosaicking**

- Worked on creating efficient parallel computing algorithm for Color Image Demosaicking using nVidia GPUs with CUDA C

## LANGUAGES & TOOLS

**Languages:** Java, C#, JavaScript, Python, Scala, C, C++, RDBs and Key-Value DBs

**Frameworks:** ASP.NET, Android, Jenkins

**Applications:** Git, Bash, Unix, IDEs

**Infra:** Docker, Terraform, CloudFormation, Kubernetes, Ansible, Vault, Consul