



BIKRAM

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Looking to build a career in Information Technology making software products and services.

EXPERIENCE

Software Developer | Stably Blockchain Labs

Since Aug 2018

Involved in developing back-end APIs and microservices using Python (Flask) and AWS DynamoDB.

Programming Intern / Full-Stack Developer | Blockterms

Since June 2018

Built multiple single page applications for a blockchain based product using **Vue JS**, Webpack & Bulma CSS.

Built REST APIs using Laravel, PHP.

Built data-models for **Google Cloud** Datastore NoSQL database.

Played with Docker & Microservices needed for the project.

Cybersecurity Research Assistant | University of Washington | T-Mobile

Aug 2017 – June 2018

Developed scripts and deployed honeypots for a DoS mitigation system using Python, Bash & tcpdump packet sniffer.

Deployed the scripts on Raspberry Pi devices.

Consulting Projects

Jan 2016 – Dec 2017

Solutions Development, West Thurston Fire Authority

Developed a fitness tracking application for firefighters with Caspio database and integrated it within the organization's CMS.

Resolved existing issues within the CMS.

Security Assessment, Rotator Creative

Performed vulnerability assessment using **Kali Linux** & threat modelling.

Design Consulting, Topia Technology

Served as team lead on a design consulting project for a cloud-based file storage application.

Full-Stack Development, Bakshi Ghura & Co

Built a sales portal & company website using Bootstrap, JavaScript, PHP, MariaDB.

IT Intern | Spocto, Intelligentia

Jul 2016 – Sep 2016

Involved in building the Spocto 360 Dashboard using HTML5, CSS, D3.js, and configuring a database using MS Access.

IT Intern | Karvy Finance

Jul 2015 – Sep 2015

Involved in designing, testing and securing a CRM System using MS SQL Server, HTML, CSS & JavaScript.

Created a technical manual for the CRM System.

SKILLS

Programming - Java, Python, C, C#

Data Structures & Algorithms

Web Development - HTML5, CSS, JavaScript, Vue JS, PHP, Laravel, .NET, MVC

Mobile Development – Android Studio, Vue Native, NativeBase

Network & Computer (Windows/Linux) Security

Database Design & Development – Relational (SQL), NoSQL

System Administration (Windows Server/Linux)

PROJECTS

Intrusion Mitigation System

An intrusion alerting & prevention system built using Ubuntu Linux, Snort, Syslog, Postfix.

Linux System Hardening

Developed a vulnerable CentOS system for peer analysis & evaluation.

Identified, evaluated and expunged vulnerabilities from a peer-developed CentOS system.

Firebase Chat

Android chat app developed using Android Studio, Java & Firebase NoSQL Database.

EDUCATION

Bachelor of Science in Information Technology, University of Washington, GPA: 3.83, Graduated: 2018

Online Coursework: Udacity, edX

INTERESTS & ACTIVITIES

UW Clubs: Grey Hat InfoSec, HuSCII Coding, Squash Team, Washington State Open Squash Tournament 2014.

Hackathons: DubHacks, Zillow Hack Housing, CodeDay, NWHacks