

CADET SOFTWARE ENGINEERS

Position Highlights

- Highly competitive compensation package.
- Be a part of strong innovative team.
- Patent Incentive Program.
- Stock Option Grant
- Signing and Retention Bonus.

Position Summary

The Cadet Software Engineer shall design, develop, debug and maintain the firmware / software programs to provide innovative solid state drive products and solutions.

The Cadet Software Engineer shall design and evaluate programs according to standards and new technologies.

Duties & Responsibilities:

- Design and develop software /firmware programs according to specifications.
- Create design documentations, user manuals and programming references required by a software / firmware application.
- Conduct verification and regression testing using existing or custom hardware and software platforms.
- Work with cross functional teams to track progress versus schedules and milestones.
- Perform other related duties that may be required from time to time.

Job Requirements:

- Education
 - Graduate of BS ECE, Computer Science, Computer Engineering, Electrical Engineering, Applied Physics or any related course.
 - Math majors also highly encouraged to apply.
- Experience
 - Newly graduate to one (1) year experience from a software development or similar environment.
 - UI/UX experience would be interesting as well as proven hobby of working with embedded platforms (Jetson TX2 / TX1 and the like).
- Skills
 - Knowledgeable in Python, PhP or C/C++ programming languages
 - AI / ML interest or hobbies a plus but not required.
 - Rest Architecture also a plus but not required.
- Others
 - Must have high integrity, a desire to advance his/her career through hard work and great effort, and an interest to learn the business of the company.
 - Must be a self-starter, have high energy and possess a can-do attitude.
 - Individuals who run to criticism without fear and who seek for constant continual improvement through creativity and procedure will be successful in this position.
 - Must be willing to start work at 6AM PH time.

ASSOCIATE SOFTWARE ENGINEERS

Position Highlights

- Highly competitive compensation package.
- Be a part of strong innovative team.
- Patent Incentive Program.
- Stock Option Grant
- Signing and Retention Bonus.

Position Summary

The Associate Engineer shall design, develop, debug and maintain the firmware / software programs to provide innovative solid state drive products and solutions.

The Associate Engineer shall design and evaluate programs according to standards and new technologies.

Duties & Responsibilities:

- Design and develop software /firmware programs according to specifications.
- Create design documentations, user manuals and programming references required by a software / firmware application.
- Conduct verification and regression testing using existing or custom hardware and software platforms.
- Work with cross functional teams to track progress versus schedules and milestones.
- Perform other related duties that may be required from time to time.

Job Requirements:

- Education
 - Graduate of BS ECE, Computer Science, Computer Engineering, Electrical Engineering, Applied Physics or any related course.
 - Math majors are also encouraged to apply.
- Experience
 - Minimum one (1) year experience in Python, PhP and or C/C++ programming language from a software development or similar environment.
 - UI/UX experience would be interesting as well as proven hobby of working with embedded platforms (Jetson TX2 / TX1 and the like).
- Skills
 - Knowledgeable in programming and software development life cycle.
- Others
 - AI / ML interest or hobbies a plus but not required.
 - Rest architecture also a plus but not required.
 - Individuals who run to criticism without fear and who seek constant continual improvement through creativity and procedure will be successful in this position.
 - Must have high integrity, a desire to advance his/her career through hard work and great effort, and an interest to learn the business of the company.
 - Must be a self-starter, have high energy and possess a can-do attitude.
 - Must be willing to start work at 6AM PH time.

SENIOR FIRMWARE ENGINEER

POSITION HIGHLIGHTS

- Highly competitive compensation package based on experience.
- Be a part of strong innovative team.
- Patent Incentive Program.
- Stock Option Grant
- Signing and Retention Bonus.

POSITION SUMMARY

The Senior Firmware Design Engineer shall act as lead and shall work closely with internal firmware developers in creating design plans, specifications and documentation.

The Senior Firmware Design Engineer shall directly report to the Director of Advanced Software Group - Engineering Department.

DUTIES & RESPONSIBILITIES

- Ensure that the design activities are coordinated per development procedure.
- Create and maintain project schedules.
- Develop high level and detailed design, test plans and reports.
- Evaluate, test and review firmware designs.
- Maintain an accurate documentation through the development process.
- Participate and conduct team meetings and knowledge sharing sessions.
- Develop, communicate and document designs/project strategies and plans.
- Perform other related duties that may be required from time to time.

QUALIFICATIONS

- **Education**
 - BS in Computer Engineering, Computer Science, Electronics and Communications Engineering or any equivalent study.
- **Experience**
 - Minimum of six (6) years experience in C and Assembly language and minimum of three (3) years experience in firmware algorithm and optimization.
 - Experience in flash device firmware algorithm.
 - Technology product design experience, including architecting product specifications.
 - Key enabler of cutting edge technologies related to solid state drives (SSDs), storage systems, and/or connectivity devices (e.g. Thunderbolt / USB devices).
- **Skills**
 - Strong background in firmware code development, debugging and documentation.
 - Proven ability in mathematical problem solving.
 - Excellent aptitude in understanding technical specifications such as NVMe, Fibre Channel, Flash device, SCSI and ATA protocols, and applications on different types of 32bit microprocessor / microcontroller.
- **Others**
 - Willing to be assigned and take responsibility for multiple tasks in multiple project development.
 - Open and collaborativel; comfortable working in an environment where ideas are shared and challenged.
 - Strong written and oral communication skills.
 - Able to handle multiple tasks, meet deadlines and work effectively with others.
 - Must have high integrity, a desire to advance his/her career through hard work and great effort, and an interest to learn the business of the company.

- Must be a self-starter, have high energy and possess a can-do attitude.
- Individuals who run to criticism without fear and who seek constant continual improvement through creativity and procedure will be successful in this position.
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SENIOR SOFTWARE ENGINEER

POSITION HIGHLIGHTS

- Highly competitive compensation package based on experience.
- Be a part of strong innovative team.
- Patent Incentive Program.
- Stock Option Grant
- Signing and Retention Bonus.

POSITION SUMMARY

The Software Engineer shall design, code, test, implement, debug and maintain the software development projects. He/She shall be working with other software engineers and web developers.

The Software Engineer shall directly report to Advanced Software Manager.

DUTIES & RESPONSIBILITIES

- The Software Engineer will be the technical subject matter expert in software development projects.
- He/she will design, implement and maintain the features based on requirements. He/she will also be working with other software and web engineers for project development.
- Perform other related duties that may be assigned from time to time.

QUALIFICATIONS

- **Education**
 - Graduate of B.S. Computer Science, B.S. Computer Engineering or courses related to Software/Web programming.
- **Experience**
 - At least six (6) years working experience in related field.
 - Experience in software application development (design and implementation) in Windows and Linux.
 - Familiarity with the following shall be considered an advantage:
 - Storage technologies
 - Driver or kernel-level development
 - I/O and IOCTL processing
 - SCSI, ATA, NVME protocols
 - Opal / TCG or data encryption technology
 - Web programming
 - GUI layout design
 - Experience on the following shall be considered an advantage:
 - Qt IDE
 - GUI layout design
 - Network and desktop / server set-up
 - Code review and optimization
- Well updated with latest storage technologies.

- Ability to identify and resolve software issues
- **Skills**
 - Knowledgeable in C/C++, Java, Python and object oriented programming concepts.
 - Knowledgeable in Linux and Windows software development.
 - Knowledgeable in driver development.
 - Knowledgeable in kernel development.
- **Others**
 - Must have high integrity, a desire to advance his/her career through hard work and great effort, and an interest to learn the business of the company.
 - Must be a self-starter, have high energy and possess a can-do attitude.
 - Individuals who run to criticism without fear and who seek for constant continual improvement through creativity and procedure will be successful in this position.
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SENIOR CIRCUIT DESIGN ENGINEER

POSITION HIGHLIGHTS

- Highly competitive compensation package based on experience.
- Be a part of strong innovative team.
- Patent Incentive Program.
- Stock Option Grant
- Signing and Retention Bonus.

POSITION SUMMARY

The Senior Circuit Design Engineer shall design and develop high-speed circuits applying the knowledge in analog and digital design, participate in the initial planning stage of new products, and perform project-level monitoring and control activities.

The Senior Circuit Engineer shall report directly to the Advanced Hardware Group - Circuit Manager and shall work closely with other engineering teams in the implementation of project specifications, features and requirements.

DUTIES & RESPONSIBILITIES

- Perform signal integrity pre-simulation.
- Lead the prototyping, debugging and creating of test plan activities.
- Work closely with component engineers in the creation of part type, decals and lay-out.
- Conduct component selection and functional verification.
- Create Bill of Materials (BOM) for a specific project including its maintenance.
- Verify and review schematics, specifications and standards.
- Prepare, analyze and present various technical reports related to hardware - circuit engineering.
- Provide the needed support in Enterprise Resource Planning (ERP) specifically in Material Management area by offering suggestion and inputs to enhance the process.
- Liaise with suppliers and vendors on technical matters and issues.
- Perform other functions deemed necessary to support the work of the department.

QUALIFICATIONS

- Education
 - Bachelor's degree in Electronics and Communications Engineering or any equivalent study.
- Skills
 - Proven ability in circuit design, prototyping, signal integrity simulation, lay-outing, timing constraints, impedance control and cross talk with understanding of electrical properties.
 - Strong analytical, problem-solving and leadership skills.
- Experience
 - Minimum five (5) years circuit experience and three (3) years supervisory experience in circuit work environment.
 - Experience in Mentor Graphics PADS, Mentor Graphics Logic, Cadence Allegro PCB Editor, Cadence Allegro Design Entry HDL, OrCAD, and HyperLinx
 - Signal integrity and EMI compliance simulation experience.
- Others
 - Experience in library maintenance is an advantage.
 - Familiarity with different hard disk drive interfaces: PATA, SATA, SCSI, SAS, FC and other product lines like NVMe and PCIe.
 - Familiarity with IPC, JEDEC, RoHS and ISO standards.
 - Familiarity with different PCI standards and electromechanical specifications.
 - Self-motivated and able to work independently with minimal supervision.
 - Able to handle multiple tasks, meet deadlines and work effectively with others.
 - Must have high integrity, a desire to advance his/her career through hard work and great effort, and an interest to learn the business of the company.
 - Must be a self-starter, have high energy and possess a can-do attitude.
 - Individuals who run to criticism without fear and who seek constant continual improvement through creativity and procedure will be successful in this position.
 - Must be willing to start work at 6AM PH time.